

NM2 - ____12____

**MONITORING
REPORTS
YEAR(S):**

____2012____



April 16, 2013

Certified Mail
Return Receipt Requested

Attn: Brad Jones
Oil Conservation Division
1220 South St. Francis Dr
Santa Fe, NM 87505

Re: NMOCD Project No. NM2-12-0

Dear Brad Jones:

This letter is to inform you that the document titled "Surface Waste Management Closure Plan" dated March 28, 2013 for Chevron North America Exploration & Production Co. is no longer valid. A new revised plan will be submitted to your office shortly. If you have any questions regarding this letter, please contact me at (432) 687-0901.

Sincerely,

Larson & Associates, Inc.

A handwritten signature in black ink that reads 'Jeremy Cannady'. The signature is written in a cursive, flowing style.

Jeremy Cannady
Staff Professional - Engineering
jeremy@laenvironmental.com



March 28, 2013

Mr. Brad Jones
State of New Mexico – Department of Natural Resources
Oil Conservation Division – Environmental Bureau
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Re: 2012 Annual Report and Closure Plan for Chevron North America Exploration & Production Co.
Centralized Surface Waste Management Facility
Permit Number NM-2-0012
W/2 of Section 17, Township 24 South, Range 36 East, NMPM
Lea County, New Mexico

Dear Mr. Brad Jones:

The enclosed reports are submitted to the New Mexico Oil Conservation Division on behalf of Chevron North America Exploration & Production Co., to present the results of Surface Waste Management monitoring performed at the Chevron Landfarm for the 2012 calendar year, and Closure Plan.

If you have any questions or concerns, please call me at 432.687.0901 to discuss.

Sincerely,

LARSON & ASSOCIATES, INC.

A handwritten signature in black ink, appearing to read 'Jeremy Cannady', is written over a horizontal line.

Jeremy Cannady
Staff Professional / Engineering

Attachments 2011 Surface Waste Management Annual Report
Surface Waste Management Closure Plan

Cc: Rodney Bailey, Geoffrey Leking

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2012
Surface Waste Management Report
Chevron Landfarm
NM2-12-0
Lea County, New Mexico
LAI Project Number 6-0137

March 28, 2013

Prepared for:
Chevron North America Exploration & Production Co.
15 Smith Road
Midland, Texas 79710

Prepared by:
Jeremy Cannady
Staff Professional

Reviewed by:
Mark J. Larson, P.G.
President

Larson & Associates, Inc.
507 North Marienfeld, Suite 200
Midland, Texas 79701

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1.0 Executive Summary

Larson & Associates, Inc. (LAI), as consultant to Chevron North America Exploration and Production Company (Chevron), submits this annual report for 2012 to the New Mexico Oil and Conservation Division (OCD) for the centralized surface waste management facility (NM2-12-0).

The following activities were conducted during 2012:

- Treatment Zone Sampling Event March 28, 2012
- Vadose Zone Sampling Event on March 28, 2012
- Treatment Zone Sampling Event on June 27, 2012
- Vadose Zone Sampling Event on June 27, 2012
- Vadose Zone Cell 26 Re-Sampling Event on August 8, 2012
- Treatment Zone Sampling Event on September 27, 2012
- Vadose Zone Sampling Event on September 27, 2012
- Treatment Zone Sampling Event on December 19, 2012
- Vadose Zone Sampling Event on December 19, 2012

A location map and facility drawing are presented in Figures 1 and 2, respectively

2.0 Background

On August 2, 1999, the OCD granted Texaco Exploration & Production, Inc. (Texaco) a permit (NM-02-0012) under OCD rule 711 to construct and maintain the Facility. The Facility was approved for 56 cells however only 26 cells (Cell 1 through Cell 26) were developed. Each cell measures approximately 300 x 625 feet or approximately 4.3 acres. On July 29, 2003, OCD granted closure approval for Cell 1 through Cell 16. No additional soil lifts have been added to these cells. No soil has been added to Cell 17 through Cell 26 since repeal of OCD Rule 711.

3.0 Background Samples

A background sample of native soil from approximately 2 to 3 feet below native ground surface was collected before construction of the facility on June 24, 1998. This sample was analyzed for total petroleum hydrocarbons (TPH), total metals (arsenic, barium, calcium, cadmium, chromium, lead, magnesium, mercury, potassium, selenium, silver, and sodium), and general chemistry parameters (alkalinity, chloride, sulfate, fluoride and nitrate).

An additional composite background sample of native soil from approximately 2 to 3 feet below native ground surface was collected from Cells 29, 30, 31, and 32, on March 25, 2009. The sample was analyzed according to OCD requirements for TPH, including Gasoline and Diesel Range Organics, Benzene, Toluene, Ethylbenzene and Total Xylenes (BTEX), total metals and chloride.

On June 26, 2009, LAI personnel collected ten (10) additional composite background samples from an area located north of the utilized cells to establish a representative statistical baseline. The composite samples were collected at varying depths between six (6) inches and 2 ½ feet below native ground

surface. The samples were analyzed for chloride and total metals (arsenic, barium, chromium, iron, lead, mercury, selenium and zinc). The results were evaluated using Student t's – Descriptive Statistics calculations with 95% and 98% confidence levels. Vadose sample results exceeding established background were compared to the Student t's confidence levels.

Background statistical confidence level tables are presented in the Tables section.

4.0 Treatment Zone Samples

Per OCD permit requirements, 5-part composite soil samples were collected from Cells 17 through 21, 25, and 26 by LAI personnel on March 28, June 27, September 27, and December 19, 2012. Samples were collected using a stainless steel hand auger. The samples were placed in pre-cleaned 4-ounce jars, properly labeled, placed on ice upon collection and shipped via LoneStar Overnight, under custody seals and chain of custody to DHL Analytical, Inc. (DHL), Round Rock, Texas.

The treatment samples were analyzed for the following constituents:

- BTEX by EPA method SW8021B,
- TPH by EPA method SW8015 for gasoline range organics (GRO) and diesel range organics (DRO),
- TRPH by EPA method 418.1,
- Anions by EPA method 300, and/or
- Total Metals by EPA method SW6020
- Mercury by EPA method SW7470A

4.1 March 28, 2012 Sampling Event

On March 28, 2012 LAI collected random 5-part soil composite samples from Cells 17 through 21, 25, and 26. The results of the composite treatment zone samples (Cells 17 through 21, 25, and 26) were below the remediation standards for BTEX (50 ppm), Benzene (10ppm), TPH (500 ppm), and Chloride (250 ppm) as specified in 19.15.36 NMAC Part 36. Tables 1 and 2 present a summary of BTEX, TPH, and Chloride analyses.

Cadmium was detected in Cell 18 (0.237 ppm) above the established background level (0.201 ppm). Lead was detected in Cell 17 (5.08 ppm), Cell 18 (6.5 ppm), Cell 21 (5.25 ppm), and Cell 25 (5.05 ppm) above the established background level (4.96 ppm). Zinc was detected in Cell 19 (21.8 ppm) above the established background level (19.8 ppm). A summary of the treatment zone metal results are presented in Table 3. Laboratory analytical reports are presented in Appendix A.

4.2 June 27, Sampling Event

On June 27, 2012, LAI collected random 5-part soil composite samples from Cells 17 through 21, 25, and 26. The results of the composite treatment samples were below the remediation standards for BTEX (50 ppm), TPH (500 ppm), and Chloride (250 ppm).

Cadmium was detected in Cell 17 (0.204 ppm), and Cell 25 (0.260 ppm) above the established background level (0.201 ppm). Chromium was detected in Cell 17 (9.79 ppm), and Cell 25 (11.2 ppm) above the established background level (9.20 ppm). Copper was detected in Cell 17 (4.69 ppm), Cell 18

(6.4 ppm), and Cell 25 (5.3 ppm) above the established background level (4.01 ppm). Iron was detected in Cell 25 (9,190 ppm) above the established background level (8,510 ppm). Lead was detected in Cell 17 (5.80 ppm), Cell 18 (10.6 ppm), and Cell 25 (7.36 ppm) above the established background level (4.96 ppm). Manganese was detected in Cell 17 (115.0 ppm), Cell 18 (93.3 ppm), and Cell 25 (120 ppm) above the established background level (81.5 ppm). Zinc was detected in Cell 17 (20.5 ppm), Cell 18 (27.2 ppm), Cell 25 (31.2 ppm), and Cell 26 (19.9 ppm) above the established background level (19.8 ppm).

4.3 September 27, Sampling Event

On September 27, 2012, LAI collected random five part soil composite samples from Cells 17 through 21, 25, and 26. The results of the composite treatment samples were below the remediation standards for BTEX (50 ppm), Benzene (10 ppm), TPH (500 ppm), and Chloride (250 ppm)

Chromium was detected in Cell 17 (9.44 ppm) above the established background level (9.20 ppm). Copper was detected in Cell 17 (5.04 ppm), and Cell 18 (5.49 ppm) above the established background level (4.01 ppm). Lead was detected in Cell 17 (11.80 ppm), Cell 18 (11.2 ppm), and Cell 20 (5.0 ppm) above the established background level (4.96 ppm). Manganese was detected in Cell 17 (97.5 ppm), and Cell 18 (90.4 ppm) above the established background concentration level (81.5 ppm). Mercury was detected in Cell 17 (0.0219 ppm), Cell 18 (0.215 ppm), and Cell 20 (0.0299 ppm) above the established background level (<0.0145 ppm). Zinc was detected in Cell 17 (21.8 ppm), Cell 18 (24.1 ppm), Cell 20 (21.5 ppm), and Cell 25 (20.8 ppm) above the established background level (19.8 ppm).

4.4 December 19, Sampling Event

On December 19, 2012, LAI collected random five part soil composite samples from Cells 17 through 21, 25, and 26. The results of the composite treatment samples were below the remediation standards for BTEX (50 ppm), Benzene (10 ppm), TPH (500 ppm), and Chloride (250 ppm).

5.0 Vadose Zone Samples

Vadose Zone samples were collected from Cells 17, 18, 19, 20, 21, 25, and 26 on March 28, June 27, August 8, September 27, and December 19, 2012. The samples were collected using a jam tube and air rotary drill rig operated by Scarborough Drilling Company (SDC) located in Lamesa, Texas. Samples were collected between approximately 5 and 6 feet below the Cells. The samples were placed in pre-cleaned 4-ounce jars. Properly labeled and placed on ice upon collection and submitted to DHL.

The vadose zone samples were analyzed for the following constituents:

- BTEX by EPA method SW8021B,
- TPH by EPA method SW8015 for gasoline range organics (GRO) and diesel range organics (DRO),
- TRPH by EPA method 418.1,
- Anions by EPA method 300, and/or
- Total Metals by EPA method SW6020
- Mercury by EPA method SW7470A

5.1 March 28, Sampling Event

On March 28, 2012, LAI personnel contracted SDC to collect samples from the vadose zone for Cells 17 through 21, 25, and 26. The samples were collected from approximately 5 to 6 feet below native ground surface.

The BTEX and benzene results of the vadose samples (Cells 17 through 21, 25, and 26) were below detection limits. A summary table of the BTEX results is presented in Table 4.

The TPH results of the vadose zone samples for Cells 17 through 21, 25, and 26 were below method detection limits. TRPH was detected in Cells 17 through 21, and 25, but was not present in the TPH analysis by EPA method 8015. This may be due to interference. Table 5 presents a summary of the vadose zone TPH analysis.

Arsenic was detected in Cell 18 (5.05 ppm), and Cell 19 (4.08 ppm) above the established background level (3.79 ppm). Barium was detected in Cell 18 (385 ppm), Cell 19 (696 ppm), and Cell 20 (317 ppm) above the established background level (271 ppm).

Chloride was detected in Cells 17, 18, 19, 20, 21, and 25, which ranged from 5.58 ppm to 163 ppm, and was above the established background concentration (8.89 ppm) but below 250 ppm. A summary of the vadose zone chloride results are presented in Table 7.

5.2 June 27, Sampling Event

On June 27, 2012, LAI personnel contracted SDC to collect samples from the vadose zone for Cells 17 through 21, 25, and 26. The samples were collected from approximately 5 to 6 feet below native ground surface.

The BTEX and benzene results of the vadose samples (Cells 17 through 21, 25, and 26) were below detection limits.

The TPH results of the vadose zone samples for Cells 17 through 21, 25, and 26 were below method detection limits. TRPH was detected in Cells 18, 19, 21, and 26, but was not present in the TPH analysis by EPA method 8015. This may be due to interference.

Arsenic was detected in Cell 17 (3.84 ppm), Cell 18 (4.77 ppm), Cell 20 (6.04 ppm), and Cell 26 (4.30 ppm) above the established background level (3.79 ppm). Barium was detected in Cell 17 (401 ppm), Cell 18 (296 ppm), Cell 20 (389 ppm), Cell 21 (402 ppm), and Cell 26 (2,480 ppm) above the established background level (271 ppm). Cadmium was detected in Cell 25 (0.225 ppm), and Cell 26 (0.253 ppm) above the established background level (0.201 ppm). Chromium was detected in Cell 25 (12.6 ppm) above the established background level (9.20 ppm). Copper was detected in Cell 20 (6.23 ppm), Cell 25 (4.95 ppm), and Cell 26 (4.28 ppm) above the established background level (4.01 ppm). Iron was detected in Cell 25 (10,400 ppm) above the established background level (8,510 ppm). Zinc was detected in Cell 25 (38.7 ppm) above the established background level (19.8 ppm).

Due to the large concentration of Barium found in Cell 26 a re-run of the sample took place. The re-run concluded that the sample was high in Barium (2,630 ppm).

Chloride was detected in Cells 17, 18, 19, 20, 21, 25, and 26, which ranged from 5.20 ppm to 196 ppm, and was above the established background concentration (8.89 ppm) but below 250 ppm.

5.3 August 8, Cell 26 Re-Sampling Event

On June 27, 2012, LAI collected vadose zone soil sample from Cell 26. The result of the vadose zone sample was abnormally high in Barium (2,480 ppm). This unusual spike prompted an additional sampling that took place on August 8, 2012.

Barium was detected (114 ppm) below the background level (271 ppm). Cadmium was detected (0.225 ppm) above the background level (0.201 ppm). Chromium was detected (9.94 ppm) above the background level (9.20 ppm). Copper was detected (5.74 ppm) above the background level (4.01 ppm). Lead was detected (5.37 ppm) above the background level (4.96 ppm). Zinc was detected (22.8 ppm) above the background level (19.8 ppm).

5.4 September 27, Sampling Event

On September 27, 2012, LAI personnel contracted SDC to collect Samples from the vadose zone for Cells 17 through 21, 25, and 26. The samples were collected from approximately 5 to 6 feet below native ground surface.

The BTEX and benzene results of the vadose samples (Cells 17 through 21, 25, and 26) were below detection limits.

The TPH results of the vadose zone samples (Cells 17 through 21, 25, and 26) were below method detection limits. TRPH was detected in Cell 17, Cell 19, Cell 20, Cell 21, Cell 25, and Cell 26, but was not present in the TPH analysis by EPA method 8015.

Arsenic was detected in Cell 20 (5.93 ppm), and Cell 21 (4.24 ppm) above the background level (3.79 ppm). Barium was detected in Cell 19 (305 ppm), Cell 20 (406 ppm), Cell 25 (363 ppm), and Cell 26 (428 ppm) above the background level (271 ppm). Copper was detected in Cell 20 (4.34 ppm), and Cell 26 (4.53 ppm) above the background level (4.01 ppm).

Chloride was detected in Cells 17 through 20 which ranged from 12.2 ppm to 188 ppm, and was above the established background concentration (8.89 ppm) but below 250 ppm.

5.5 December 19, Sampling Event

On December 19, 2012, LAI personnel contracted SDC to collect Samples from the vadose zone for Cells 17 through 21, 25, and 26. The samples were collected from approximately 5 to 6 feet below native ground surface.

The BTEX and benzene results of the vadose samples (Cells 17 through 21, 25, and 26) were below detection limits.

The TPH results of the vadose zone samples for Cells 17 through 20, 25, and 26 were below detection limits. TRPH was detected in Cells 19 and 20 but were not present in the TPH analysis by EPA method 8015.

Arsenic was detected in Cell 17 (5.50 ppm), Cell 18 (4.22 ppm), Cell 20 (4.42 ppm), and Cell 21 (4.27 ppm) above the established background level (3.79 ppm). Barium was detected in Cell 17 (417 ppm), Cell 18 (324 ppm), Cell 20 (311 ppm), Cell 21 (396 ppm), and Cell 26 (282 ppm) above the established

background level (271 ppm). Chromium was detected in Cell 25 (12.6 ppm) above the established background level (9.20 ppm). Copper was detected in Cell 17 (4.06 ppm), Cell 18 (5.64 ppm), Cell 21 (4.98 ppm), and Cell 25 (4.26 ppm) above the established background level (4.01 ppm). Iron was detected in Cell 25 (11,000 ppm) above the established background level (8,510 ppm). Lead was detected in Cell 25 (6.22 ppm) above the established background level (4.96 ppm). Zinc was detected in Cell 25 (25.8 ppm) above the established background level (19.8 ppm).

Chloride was detected in Cells 17 through 20, which ranged from 28.3 ppm to 136 ppm, and was above the established background concentration (8.89 ppm) but below 250 ppm.

6.0 Additional Information

Depth to groundwater is estimated between approximately 160 and 165 feet below ground surface (bgs) from New Mexico Office of the State Engineer (OSE) records and monitoring wells located in the west half (W/2) of Section 15, Township 24 South, Range 36 East. The monitoring well records indicate a general lithology of unconsolidated eolian sand over a variable thickness carbonate-indurated sand (caliche) layer between approximately 23 to 60-feet below ground surface (bgs). The regional direction for groundwater flow is towards the southeast.

Background and vadose samples indicate that the pH at the facility is between 7.5 and 8.2. An increased pH (basic environment) in the caliche layer would create a flocculation zone. Most metals are considered to be multivalent cations. Positively charged molecules interact with the negatively charged particles in the caliche to form aggregate. In addition, many of these analytes and compounds, under the appropriate pH (greater than 7) and conditions (temperature, pressure and salinity) will link together to form long chains or meshes, physically trapping small and fine particles thus minimizing the migration of metals.

7.0 Summary

Treatment zone soil samples from Cells 17 through 21, 25, and 26 were below action levels for TPH (method 8015M), BTEX, Benzene, and Chloride.

The background and vadose samples indicate that the pH at the facility is slightly basic. Monitor well borings logs from an adjacent site indicate a general lithology of unconsolidated veneer of eolian sand over variable thickness carbonate-indurated sand layer encountered at approximately 23 to 60-feet bgs. With this stratification profile and soil conditions; metals are less likely to become soluble and migration would be minimal.

Several cells have been remediated to the standards set forth in the New Mexico Administration Code Title 19 Chapter 15 Part 36 (19.15.36 NMAC). Chevron will submit a closure plan to the OCD, for closure of these Cells and prepare Closure Procedures for the remaining Cells.

Table 1
Summary of BTEX Analyses of Treatment Soil Samples
Chevron North America Exploration and Production Company, Landfarm (Permit NM-2-0012)
W/2 of Section 17, Township 24 South, Range 36 East
Lea County, New Mexico

Sample	Cell Number	Date	Sample Depth (Feet)	Benzene	Ethylbenzene	Toluene	Total Xylenes	Total BTEX
Action Level (mg/Kg):				10			50	
Cell 18	18	12/09/08	0 - 1	<0.00299	<0.00498	<0.00498	<0.00498	<0.00299
		03/25/09	0 - 1	<0.00263	<0.00438	<0.00438	<0.00438	<0.00263
		12/21/09	0 - 1	<0.00288	<0.00479	<0.00479	<0.00479	<0.00288
		03/26/10	0 - 1	<0.00273	<0.00455	<0.00455	<0.00455	<0.00273
		06/11/10	0 - 1	<0.00289	<0.00481	<0.00481	<0.00481	<0.00289
		09/27/10	0 - 1	<0.00309	<0.00514	<0.00514	<0.00514	<0.00309
		12/20/10	0 - 1	<0.00281	<0.00469	<0.00469	<0.00469	<0.00281
		03/08/11	0 - 1	<0.0169	<0.0222	<0.0238	<0.0281	<0.0169
		06/21/11	0 - 1	<0.0119	<0.00860	<0.00607	<0.00620	<0.0119
		08/30/11	0 - 1	<0.0119	<0.00856	<0.00604	<0.00617	<0.0119
		12/22/11	0 - 1	<0.100	<0.100	<0.100	<0.100	<0.100
		01/11/12	0 - 1	<0.0324	<0.00540	<0.00541	<0.00542	<0.00543
		03/28/12	0 - 1	ND	ND	ND	ND	ND
		06/27/12	0 - 1	ND	ND	ND	ND	ND
		09/27/12	0 - 1	ND	ND	ND	ND	ND
		12/19/12	0 - 1	ND	ND	ND	ND	ND
Cell 19	19	05/21/07	0 - 1	<0.00292	<0.00486	<0.00486	<0.00486	<0.00292
		09/11/07	0 - 1	<0.00114	<0.00114	<0.00114	<0.00114	<0.00114
		03/19/08	0 - 1	<0.00267	<0.00444	<0.00444	<0.00444	<0.00267
		08/25/08	0 - 1	<0.00312	<0.00520	<0.00520	<0.00520	<0.00312
		12/09/08	0 - 1	<0.00265	<0.00441	<0.00441	<0.00441	<0.00265
		03/25/09	0 - 1	<0.00297	<0.00495	<0.00495	<0.00495	<0.00297
		12/21/09	0 - 1	<0.00295	<0.00492	<0.00492	<0.00492	<0.00295
		03/26/10	0 - 1	<0.00307	<0.00512	<0.00512	<0.00512	<0.00307
		06/11/10	0 - 1	<0.00302	<0.00504	<0.00504	<0.00504	<0.00302

Table 1
Summary of BTEX Analyses of Treatment Soil Samples
Chevron North America Exploration and Production Company, Landfarm (Permit NM-2-0012)
W/2 of Section 17, Township 24 South, Range 36 East
Lea County, New Mexico

Sample	Cell Number	Date	Sample Depth (Feet)	Benzene	Ethylbenzene	Toluene	Total Xylenes	Total BTEX
Action Level (mg/Kg):				10				50
Cell 19	19	09/27/10	0 - 1	<0.003	<0.00499	<0.00499	<0.00499	<0.003
		12/20/10	0 - 1	<0.00291	<0.00485	<0.00485	<0.00485	<0.00291
		03/08/11	0 - 1	<0.0170	<0.0223	<0.0238	<0.0282	<0.0170
		06/21/11	0 - 1	<0.0120	<0.00864	<0.00610	<0.00623	<0.0120
		08/30/11	0 - 1	<0.0119	<0.00856	<0.00604	<0.00618	<0.0119
		12/22/11	0-1	<0.200	<0.200	<0.200	<0.200	<0.200
		01/11/12	0-2	<0.00312	<0.00520	<0.00521	<0.00522	<0.00523
		03/28/12	0 - 1	ND	ND	ND	ND	ND
		06/27/12	0 - 1	ND	ND	ND	ND	ND
		09/27/12	0 - 1	ND	ND	ND	ND	ND
		12/19/12	0 - 1	ND	ND	ND	ND	ND
Cell 20	20	05/21/07	0 - 1	<0.00312	<0.00520	<0.00520	<0.00520	<0.00312
		09/11/07	0 - 1	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011
		03/19/08	0 - 1	<0.00270	<0.00450	<0.00450	<0.00450	<0.00270
		08/25/08	0 - 1	<0.00293	<0.00488	<0.00488	<0.00488	<0.00293
		12/09/08	0 - 1	<0.00294	<0.00489	<0.00489	<0.00489	<0.00294
		03/25/09	0 - 1	<0.00268	<0.00447	<0.00447	<0.00447	<0.00268
		12/21/09	0 - 1	<0.00291	<0.00485	<0.00485	<0.00485	<0.00291
		03/26/10	0 - 1	<0.00289	<0.00482	<0.00482	<0.00482	<0.00289
		06/11/10	0 - 1	<0.00286	<0.00476	<0.00476	<0.00476	<0.00286
		09/27/10	0 - 1	<0.00324	<0.00541	<0.00541	<0.00541	<0.00324
		12/20/10	0 - 1	<0.00287	<0.00478	<0.00478	<0.00478	<0.00287
		03/08/11	0 - 1	<0.0170	<0.0223	<0.0238	<0.0282	<0.0170
		06/21/11	0 - 1	<0.0120	<0.00866	<0.00612	<0.00625	<0.0120
		08/30/11	0 - 1	<0.0119	<0.00856	<0.00604	<0.00618	<0.0119

Table 1
Summary of BTEX Analyses of Treatment Soil Samples
Chevron North America Exploration and Production Company, Landfarm (Permit NM-2-0012)
W/2 of Section 17, Township 24 South, Range 36 East
Lea County, New Mexico

Sample	Cell Number	Date	Sample Depth (Feet)	Benzene	Ethylbenzene	Toluene	Total Xylenes	Total BTEX
Action Level (mg/Kg):				10				50
Cell 20	20	12/22/11	0 - 1	<0.100	<0.100	<0.100	<0.100	<0.100
		01/11/12	1 - 1	<0.00343	<0.00572	<0.00573	<0.00574	<0.00575
		03/28/12	0 - 1	ND	ND	ND	ND	ND
		06/27/12	0 - 1	ND	ND	ND	ND	ND
		09/27/12	0 - 1	ND	ND	ND	ND	ND
		12/19/12	0 - 1	ND	ND	ND	ND	ND
Cell 21	21	05/21/07	0 - 1	<0.00293	<0.00489	<0.00489	<0.00489	<0.00293
		09/11/07	0 - 1	<0.00113	<0.00113	<0.00113	<0.00113	<0.00113
		03/19/08	0 - 1	<0.00263	<0.00438	<0.00438	<0.00438	<0.00263
		08/25/08	0 - 1	<0.00308	<0.00513	<0.00513	<0.00513	<0.00308
		12/09/08	0 - 1	<0.00290	<0.00483	<0.00483	<0.00483	<0.00290
		03/25/09	0 - 1	<0.00268	<0.00446	<0.00446	<0.00446	<0.00268
		12/21/09	0 - 1	<0.00276	<0.00461	<0.00461	<0.00461	<0.00276
		03/26/10	0 - 1	<0.00288	<0.00480	<0.00480	<0.00480	<0.00288
		06/11/10	0 - 1	<0.00307	<0.00512	<0.00512	<0.00512	<0.00307
		09/27/10	0 - 1	<0.00352	<0.00586	<0.00586	<0.00586	<0.00352
		12/20/10	0 - 1	<0.00271	<0.00451	<0.00451	<0.00451	<0.00271
		03/08/11	0 - 1	<0.0169	<0.0222	<0.0238	<0.0281	<0.0169
		06/21/11	0 - 1	<0.0121	<0.00869	<0.00613	<0.00626	<0.0121
		08/30/11	0 - 1	<0.0120	<0.00861	<0.00608	<0.00621	<0.0120
		12/22/11	0 - 1	<0.400	<0.400	<0.400	<0.400	<0.400
		01/11/12	1 - 1	<0.00319	<0.00532	<0.00533	<0.00534	<0.00535
		03/28/12	0 - 1	ND	ND	ND	ND	ND
		06/27/12	0 - 1	ND	ND	ND	ND	ND
		09/27/12	0 - 1	ND	ND	ND	ND	ND

Table 1
Summary of BTEX Analyses of Treatment Soil Samples
Chevron North America Exploration and Production Company, Landfarm (Permit NM-2-0012)
W/2 of Section 17, Township 24 South, Range 36 East
Lea County, New Mexico

Sample	Cell Number	Date	Sample Depth (Feet)	Benzene	Ethylbenzene	Toluene	Total Xylenes	Total BTEX
Action Level (mg/Kg):				10			50	
Cell 21	21	12/19/12	0 - 1	ND	ND	ND	ND	ND
Dup-1		12/19/12	0 - 1	ND	ND	ND	ND	ND
Cell 25	25	05/21/07	0 - 1	<0.00302	<0.00503	<0.00503	<0.00503	<0.00302
		09/11/07	0 - 1	<0.00103	<0.00103	<0.00103	<0.00103	<0.00103
		08/25/08	0 - 1	<0.00278	<0.00463	<0.00463	<0.00463	<0.00278
		12/09/08	0 - 1	<0.00308	<0.00513	<0.00513	<0.00513	<0.00308
		03/25/09	0 - 1	<0.00265	<0.00441	<0.00441	<0.00441	<0.00265
		12/21/09	0 - 1	<0.00312	<0.00520	<0.00520	<0.00520	<0.00312
		03/26/10	0 - 1	<0.00277	<0.00462	<0.00462	<0.00462	<0.00277
		06/11/10	0 - 1	<0.00316	<0.00527	<0.00527	<0.00527	<0.00316
		09/27/10	0 - 1	<0.00305	<0.00508	<0.00508	<0.00508	<0.00305
		12/20/10	0 - 1	<0.00274	<0.00456	<0.00456	<0.00456	<0.00274
		03/08/11	0 - 1	<0.0169	<0.0222	<0.0238	<0.0281	<0.0169
		06/21/11	0 - 1	<0.0119	<0.00859	<0.00606	<0.00620	<0.0119
		08/30/11	0 - 1	<0.0119	<0.00855	<0.00604	<0.00617	<0.0119
		12/22/11	0 - 1	<0.100	<0.100	<0.100	<0.100	<0.100
		01/11/12	1 - 1	<0.00321	<0.00535	<0.00536	<0.00537	<0.00538
		03/28/12	0 - 1	ND	ND	ND	ND	ND
		06/27/12	0 - 1	ND	ND	ND	ND	ND
		09/27/12	0 - 1	ND	ND	ND	ND	ND
		12/19/12	0 - 1	ND	ND	ND	ND	ND
Cell 26	26	02/21/07	0 - 1	<0.01	<0.01	<0.01	<0.02	<0.01
		09/11/07	0 - 1	<0.00118	<0.00118	<0.00118	<0.00118	<0.00118
		05/21/07	0 - 1	<0.00323	<0.00539	<0.00539	<0.00539	<0.00323

Table 1
Summary of BTEX Analyses of Treatment Soil Samples
Chevron North America Exploration and Production Company, Landfarm (Permit NM-2-0012)
W/2 of Section 17, Township 24 South, Range 36 East
Lea County, New Mexico

Sample	Cell Number	Date	Sample Depth (Feet)	Benzene	Ethylbenzene	Toluene	Total Xylenes	Total BTEX
Action Level (mg/Kg):				10			50	
Cell 26	26	08/25/08	0 - 1	<0.00358	<0.00597	<0.00597	<0.00597	<0.00358
		12/09/08	0 - 1	<0.00301	<0.00501	<0.00501	<0.00501	<0.00301
		03/25/09	0 - 1	<0.00268	<0.00447	<0.00447	<0.00447	<0.00268
		12/21/09	0 - 1	<0.00296	<0.00494	<0.00494	<0.00494	<0.00296
		03/26/10	0 - 1	<0.00300	<0.00501	<0.00501	<0.00501	<0.00300
		06/11/10	0 - 1	<0.00385	<0.00642	<0.00642	<0.00642	<0.00385
		09/27/10	0 - 1	<0.00336	<0.00559	<0.00559	<0.00559	<0.00336
		12/20/10	0 - 1	<0.00289	<0.00481	<0.00481	<0.00481	<0.00289
		03/08/11	0 - 1	<0.0169	<0.0222	<0.0237	<0.0281	<0.0169
		06/21/11	0 - 1	<0.0120	<0.00863	<0.00609	<0.00622	<0.0120
		08/30/11	0 - 1	<0.0119	<0.00857	<0.00605	<0.00618	<0.0119
		12/22/11	0 - 1	<0.400	<0.400	<0.400	<0.400	<0.400
		01/11/12	1 - 1	<0.00300	<0.00499	<0.00500	<0.00501	<0.00502
		03/28/12	0 - 1	ND	ND	ND	ND	ND
Dup-1		06/27/12	0 - 1	ND	ND	ND	ND	ND
		06/27/12	0 - 1	ND	ND	ND	ND	ND
		09/27/12	0 - 1	ND	ND	ND	ND	ND
		12/19/12	0 - 1	ND	ND	ND	ND	ND

Notes:

Samples were analyzed by DHL Analytical, Inc., Round Rock, TX and Trace Analysis, Midland, TX

BTEX analysis was performed by SW846 method 8021B

Results are reported in milligram per Kilograms (mg/Kg).

1. <: Less than method detection limit
2. ND Not Detected at Method Detection Limit

Table 2
Summary of TPH Analysis of Treatment Soil Samples
Chevron North America Exploration and Production Company, Landfarm (Permit NM-2-0012)
W/2 of Section 17, Township 24 South, Range 36 East
Lea County, New Mexico

Sample	Cell Number	Date	Depth	TRPH 418.1	TPH - GRO C6-C10	TPH - DRO C10-C28	Total TPH	Chloride
Action Level (mg/Kg):				2500			500	250
Cell 17	17	05/21/07	0 - 1	108	<0.0635	27.7	27.7	--
		09/11/08	0 - 1	--	<0.0645	233	233	361
		03/13/08	0 - 1	216	--	--	--	42.4
		03/19/08	0 - 1	1090	<0.0519	470	470	--
		08/25/08	0 - 1	68.1	<0.0609	210	210	--
		12/09/08	0 - 1	169	<0.0578	206	206	34.7
		03/25/09	0 - 1	166	<0.0521	120	120	19.5
		12/21/09	0 - 1	73.2	<0.101	119	119	135
		03/26/10	0 - 1	53.7	<0.0977	90.4	90.4	11.0
		06/11/10	0 - 1	43.0	<0.103	113	113	67.4
		09/27/10	0 - 1	33.1	<0.109	46.1	46.1	<5.46
		12/20/10	0 - 1	23.5	<0.100	55.8	55.8	96.2
		03/08/11	0 - 1	429.0	<0.762	88.1	88.1	6.4
		06/21/11	0 - 1	142.0	<0.767	23.6	23.6	26.8
		12/22/11	0 - 1	41.7	<20.0	<50.0	<50.0	12.2
		03/28/12	0 - 1	47.8	ND	47.5	47.5	ND
		06/27/12	0 - 1	ND	ND	ND	ND	235
		09/27/12	0 - 1	37.10	ND	85.0	85.0	34.3
		12/19/12	0 - 1	53.1	ND	71.4	71.4	203
Cell 18	18	05/21/07	0 - 1	456	<0.0594	418	418	--
		09/11/07	0 - 1	--	<0.0615	695	695	<5.78
		03/19/08	0 - 1	787	<0.0546	422	422	--
		08/25/08	0 - 1	219	<0.0587	167	167	--
		12/09/08	0 - 1	525	<0.0576	207	207	<4.99
		03/25/09	0 - 1	212	<0.0524	93.0	93.0	8.19

Table 2
Summary of TPH Analysis of Treatment Soil Samples
Chevron North America Exploration and Production Company, Landfarm (Permit NM-2-0012)
W/2 of Section 17, Township 24 South, Range 36 East
Lea County, New Mexico

Sample	Cell Number	Date	Depth	TRPH 418.1	TPH - GRO C6-C10	TPH - DRO C10-C28	Total TPH	Chloride
Action Level (mg/Kg):				2500		500	250	
Cell 18	18	12/21/09	0 - 1	274	<0.0934	127	127	<5.07
		03/26/10	0 - 1	201	<0.102	96.7	96.7	<5.17
		06/11/10	0 - 1	203	<0.0942	230	230	<5.22
		09/27/10	0 - 1	31.0	<0.101	58.0	58.0	<5.27
		12/20/10	0 - 1	250	<0.0955	145	145.0	18.0
		03/08/11	0 - 1	150	<2.25	40	40	5.6
		06/21/11	0 - 1	296	<0.762	<17.3	<17.3	11.9
		12/22/11	0 - 1	139	<10.0	<50.0	<50.0	11.5
		03/28/12	0 - 1	74	ND	31	31.0	ND
		06/27/12	0 - 1	105	ND	35	35.0	48.8
		09/27/12	0 - 1	70.6	ND	47.6	47.6	ND
		12/19/12	0 - 1	75.1	ND	205	205	ND
Cell 19	19	05/21/07	0 - 1	109	<0.0597	11.7	11.7	--
		09/11/07	0 - 1	--	<0.0620	272	272	5.91
		03/19/08	0 - 1	512	<0.0552	401	401	--
		08/25/08	0 - 1	85.8	<0.0552	96.6	96.6	--
		12/09/08	0 - 1	159	<0.0552	52.6	52.6	20.2
		03/25/09	0 - 1	225	<0.0591	64.2	64.2	32.5
		12/21/09	0 - 1	76.8	<0.0965	73.4	73.4	24.6
		03/26/10	0 - 1	128	<0.100	58.6	58.6	5.41
		06/11/10	0 - 1	175	<0.101	126	126	25.0
		09/27/10	0 - 1	44.0	<0.0979	24.7	24.7	11.3
		12/20/10	0 - 1	28.6	<0.100	101	101	53.2
		03/08/11	0 - 1	65.5	<2.26	23	23	175.0
		06/21/11	0 - 1	332.0	<0.766	18	18	89.9

Table 2
Summary of TPH Analysis of Treatment Soil Samples
Chevron North America Exploration and Production Company, Landfarm (Permit NM-2-0012)
W/2 of Section 17, Township 24 South, Range 36 East
Lea County, New Mexico

Sample	Cell Number	Date	Depth	TRPH 418.1	TPH - GRO C6-C10	TPH - DRO C10-C28	Total TPH	Chloride
Action Level (mg/Kg):				2500		500	250	
Cell 19	19	12/22/11	0 - 1	111.0	<20.0	<50.0	<50.0	19.1
		03/28/12	0 - 1	51.6	ND	43	ND	18.8
		06/27/12	0 - 1	7.6	ND	19	19	11.2
		09/27/12	0 - 1	88.5	ND	41.9	41.9	9.84
		12/19/12	0 - 1	90.8	<0.102	58	58	8.5
Cell 20	20	05/21/07	0 - 1	527	<0.0567	30.2	30.2	--
		09/11/07	0 - 1	--	<0.0614	403	403	14.6
		03/19/08	0 - 1	169	<0.0541	171	171	--
		08/25/08	0 - 1	39.2	<0.0593	64.3	64.3	--
		12/09/08	0 - 1	126	<0.0620	44.3	44.3	35.8
		03/25/09	0 - 1	256	<0.0540	33.1	33.1	50.9
		12/21/09	0 - 1	46.8	<0.101	49.9	49.9	30.8
		03/26/10	0 - 1	47.7	<0.0947	20.7	20.7	11.5
		06/11/10	0 - 1	30.3	<0.100	30.9	30.9	32.0
		09/27/10	0 - 1	13.3	<0.107	18.7	18.7	6.66
		12/20/10	0 - 1	30.3	<0.103	24.2	24.2	23.4
		03/08/11	0 - 1	104.0	<2.26	24.2	24.2	10.2
		06/21/11	0 - 1	84.8	<0.768	<17.4	<17.4	55.9
		12/22/11	0 - 1	157.0	<10.0	<50.0	<50.0	45.9
		03/28/12	0 - 1	209.0	<0.0997	38.7	38.7	14.1
		06/27/12	0 - 1	ND	ND	ND	ND	ND
		09/27/12	0 - 1	267	ND	142	142	40.0
		12/19/12	0 - 1	31.1	<0.104	37.9	37.9	19.7
Cell 21	21	05/21/07	0 - 1	389	<0.0611	15.4	15.4	--

Table 2
Summary of TPH Analysis of Treatment Soil Samples
Chevron North America Exploration and Production Company, Landfarm (Permit NM-2-0012)
W/2 of Section 17, Township 24 South, Range 36 East
Lea County, New Mexico

Sample	Cell Number	Date	Depth	TRPH 418.1	TPH - GRO C6-C10	TPH - DRO C10-C28	Total TPH	Chloride
Action Level (mg/Kg):				2500			500	250
Cell 21	21	09/11/07	0 - 1	--	<0.0638	838	838	<5.67
		03/19/08	0 - 1	434	<0.0564	359	359	--
		08/25/08	0 - 1	157	<0.0599	210	210	--
		12/09/08	0 - 1	1780	<0.0567	271	271	<5.06
		03/25/09	0 - 1	678	<0.0561	90.1	90.1	14.5
		12/21/09	0 - 1	680	<0.0952	135	135	<5.13
		03/26/10	0 - 1	335	<0.0925	132	132	<5.12
		06/11/10	0 - 1	268	<0.103	249	249	<5.22
		09/27/10	0 - 1	177	<0.111	82.3	82.3	<6.04
		12/20/10	0 - 1	250	<0.0951	203	203	<5.08
		03/08/11	0 - 1	784	<2.25	104	104	5.96
		06/21/11	0 - 1	498	<0.770	45	45	8.99
		12/22/11	0 - 1	253	<40.0	<50.0	<50.0	11.4
		03/28/12	0 - 1	55.4	ND	43.3	43.3	ND
		06/27/12	0 - 1	133	ND	95	95	ND
		09/27/12	0 - 1	102	ND	49.1	49.1	12.2
		12/19/12	0 - 1	139	ND	187	187	<5.20
Dup-1		12/19/12	0 - 1	143	ND	164	164	<5.19
Cell 25	25	05/21/07	0 - 1	85.9	<0.0607	2.97	2.97	--
		09/11/07	0 - 1	--	<0.0618	166	166	128
		08/25/08	0 - 1	115	<0.0557	96.5	96.5	--
		12/09/08	0 - 1	107	<0.0555	66.2	66.2	<5.13
		03/25/09	0 - 1	96.6	<0.0530	26.8	26.8	13.2
		12/21/09	0 - 1	85.9	<0.0946	59.2	59.2	<5.18
		03/26/10	0 - 1	89.8	<0.0975	49.2	49.2	<5.09

Table 2
Summary of TPH Analysis of Treatment Soil Samples
Chevron North America Exploration and Production Company, Landfarm (Permit NM-2-0012)
W/2 of Section 17, Township 24 South, Range 36 East
Lea County, New Mexico

Sample	Cell Number	Date	Depth	TRPH 418.1	TPH - GRO C6-C10	TPH - DRO C10-C28	Total TPH	Chloride
Action Level (mg/Kg):				2500			500	250
Cell 25	25	06/11/10	0 - 1	36.3	<0.110	43.4	43.4	<5.54
		09/27/10	0 - 1	87.4	<0.0949	44.7	44.7	<5.25
		12/20/10	0 - 1	68.7	<0.0955	66.5	66.5	<5.09
		03/08/11	0 - 1	66.2	<2.25	<15.8	<15.8	5.37
		06/21/11	0 - 1	96.5	<0.761	<17.3	<17.3	8.88
		12/22/11	0 - 1	129.0	<10.0	<50.0	<50.0	21.1
		03/28/12	0 - 1	20.9	ND	23.3	23.3	32.3
		06/27/12	0 - 1	19.2	ND	ND	ND	139.0
		09/27/12	0 - 1	58.1	ND	40.7	40.7	ND
		12/19/12	0 - 1	45.0	<0.0995	53.6	53.6	<5.12
Cell 26	26	02/21/07	0 - 1	3450	<1	726	726	--
		05/21/07	0 - 1	59.3	<0.0591	4.98	4.98	--
		09/11/07	0 - 1	--	<0.0696	455	455	<5.92
		08/25/08	0 - 1	16.7	<0.0663	116	116	--
		12/09/08	0 - 1	226	<0.0543	32.0	32.0	<5.07
		03/25/09	0 - 1	1260	<0.0596	202	202	8.61
		12/21/09	0 - 1	201	<0.103	77.4	77.4	<5.21
		03/26/10	0 - 1	107	<0.100	40.8	40.8	<5.21
		06/11/10	0 - 1	12.1	<0.126	45.1	45.1	<6.53
		09/27/10	0 - 1	135	<0.118	93.1	93.1	<6.01
		12/20/10	0 - 1	157	<0.0990	79.2	79.2	<5.14
		03/08/11	0 - 1	98.8	<2.25	30.8	30.8	7.99
		06/21/11	0 - 1	232.0	<0.765	<17.4	<17.4	8.95
		12/22/11	0 - 1	279	<40.0	<50.0	<50.0	11.4
		03/28/12	0 - 1	338	ND	182.0	182.0	ND

Table 2
Summary of TPH Analysis of Treatment Soil Samples
Chevron North America Exploration and Production Company, Landfarm (Permit NM-2-0012)
W/2 of Section 17, Township 24 South, Range 36 East
Lea County, New Mexico

Sample	Cell Number	Date	Depth	TRPH 418.1	TPH - GRO C6-C10	TPH - DRO C10-C28	Total TPH	Chloride
Action Level (mg/Kg):				2500			500	250
Cell 26	26	06/27/12	0 - 1	19	ND	ND	ND	ND
Dup-1		06/27/12	0 - 1	38	ND	11.9	11.9	ND
		09/27/12	0 - 1	921	ND	250	250	ND
		12/19/12	0 - 1	13.8	ND	12.8	12.8	ND

Notes:

Samples were analyzed by DHL Analytical, Inc., Round Rock, TX and Trace Analysis, Midland, TX

Results are reported in milligram per Kilograms (mg/Kg).

GRO and DRO analyses were performed by SW846 method 8015

TRPH analysis was performed by EPA method 418.1

1. <: Less than method detection limit
2. ND Not Detected at the Method Detection Limit

Table 3
Summary of Metals Analysis of Treatment Zone Soil Samples
Chevron North America Exploration and Production Company, Landfarm (Permit NM-2-0012)
W/2 of Section 17, Township 24 South, Range 36 East
Lea County, New Mexico

Sample	Cell Number	Date	Depth	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Lead	Manganese	Mercury	Selenium	Silver	Zinc
Background Level (3/25/09):				3.79	271	0.201	9.20	4.01	8,510	4.96	81.5	<0.0145	2.77	<0.0957	19.8
Cell 17	17	03/25/09	0 - 1	2.99	119	0.167	7.89	3.99	7,160	6.34	76.5	0.0168	1.83	<0.0912	21.5
		03/26/10	0 - 1	2.34	100	0.251	9.27	4.51	6,770	6.41	97.5	<0.0161	0.671	<0.0980	21.3
		03/28/12	0 - 1	1.87	55	0.133	7.55	3.09	6,360	5.08	--	ND	0.525	ND	17.0
		06/27/12	0 - 1	2.37	69	0.204	9.79	4.69	8,000	5.80	115.0	<0.0161	0.611	<0.106	20.5
		09/27/12	0 - 1	2.49	91	0.144	9.44	5.04	7,740	11.80	97.5	0.0219	0.829	ND	21.8
WQCC Level:				0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.002	0.05	0.05	10.0
Cell 17 SPLP	17	03/26/10	0 - 1	--	--	<0.0003	<0.002	<0.002	--	<0.0003	<0.003	--	--	--	<0.002
Cell 18	18	03/25/09	0 - 1	2.68	108	0.132	6.81	3.41	5,690	6.00	61.3	<0.0148	1.55	<0.0861	17.2
		03/26/10	0 - 1	2.92	120	0.237	22.0	10.7	7,500	17.2	92.8	<0.0161	0.512	<0.0962	26.4
		03/28/12	0 - 1	2.57	131	0.150	7.6	3.8	5,710	6.5	--	ND	0.523	ND	18.7
		06/27/12	0 - 1	2.70	133	0.191	9.1	6.4	6,990	10.6	93.3	<0.0136	0.571	<0.0986	27.2
		09/27/12	0 - 1	3.77	184	0.157	8.43	5.49	6,230	11.2	90.4	0.0215	0.730	ND	24.1
WQCC Level:				0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.002	0.05	0.05	10.0
Cell 18 SPLP	18	03/26/10	0 - 1	--	--	<0.0003	<0.002	0.00298	--	0.002	0.0137	--	--	--	0.00838
Cell 19	19	03/25/09	0 - 1	2.65	173	0.159	6.93	2.42	6,210	3.96	45.3	<0.0147	1.41	<0.0899	15.6
		03/26/10	0 - 1	2.41	133	0.171	8.39	2.59	5,750	4.23	56.5	<0.0153	0.501	<0.971	17.0
		03/28/12	0 - 1	2.53	143	0.120	8.02	3.08	6,730	4.65	--	ND	0.421	ND	21.8
		06/27/12	0 - 1	1.75	79	0.128	6.97	2.85	5,500	3.92	51.9	<0.0147	0.400	<0.0910	13.7
		09/27/12	0 - 1	2.16	182	0.108	7.40	2.85	5,640	3.94	49.2	ND	0.537	ND	15.0
WQCC Level:				0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.002	0.05	0.05	10.0
Cell 19 SPLP	19	03/26/10	0 - 1	--	--	--	--	--	--	--	<0.003	--	--	--	--

Table 3
Summary of Metals Analysis of Treatment Zone Soil Samples
Chevron North America Exploration and Production Company, Landfarm (Permit NM-2-0012)
W/2 of Section 17, Township 24 South, Range 36 East
Lea County, New Mexico

Sample	Cell Number	Date	Depth	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Lead	Manganese	Mercury	Selenium	Silver	Zinc
Background Level (3/25/09):				3.79	271	0.201	9.20	4.01	8,510	4.96	81.5	<0.0145	2.77	<0.0957	19.8
Cell 20	20	03/25/09	0 - 1	2.43	173	0.162	6.48	1.92	5,670	3.42	43.3	<0.0138	1.51	<0.0901	19.5
		03/26/10	0 - 1	1.88	179	0.140	6.65	1.97	4,290	3.09	51.0	<0.0162	0.386	<0.0952	10.2
		03/28/12	0 - 1	2.35	169	0.135	8.12	2.98	6,530	4.62	--	0.0144	0.536	ND	16.7
		06/27/12	0 - 1	1.74	86	0.112	7.13	2.21	5,440	4.02	48.5	ND	0.376	ND	12.5
		09/27/12	0 - 1	2.19	195	0.134	7.76	2.80	5,860	4.09	48.4	0.0299	0.565	ND	13.8
Cell 21	21	03/25/09	0 - 1	2.96	114	0.187	8.17	3.22	6,480	7.41	58.4	<0.0143	1.63	<0.0900	23.4
		09/30/09	0 - 6"	--	--	--	--	--	--	12.5	--	--	--	--	20.4
		03/26/10	0 - 1	2.86	146	0.244	8.57	4.35	5,780	11.6	72.1	<0.0142	0.665	<0.0952	24.4
		03/28/12	0 - 1	2.15	98.4	0.126	7.82	3.15	6,670	5.25	--	ND	0.478	ND	21.6
		06/27/12	0 - 1	2.06	104	0.147	7.59	2.70	5,870	4.4	53.5	ND	0.398	ND	16.0
		09/27/12	0 - 1	2.29	110	0.121	8.29	3.01	6,520	5.0	64.7	ND	0.653	ND	21.5
WQCC Level:				0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.002	0.05	0.05	10.0
Cell 21 SPLP	21	03/26/10	0 - 1	--	--	<0.0003	--	0.00293	--	0.00086	--	--	--	--	0.00539
Cell 25	25	03/25/09	0 - 1	2.41	103	0.171	6.68	2.58	6,090	4.42	57.4	<0.0143	1.64	<0.100	22.9
		03/26/10	0 - 1	2.78	80.5	0.438	14.8	3.55	5,240	5.27	70.0	<0.0155	0.768	0.241	116
		03/28/12	0 - 1	2.25	76.4	0.142	7.4	2.94	6,440	5.05	--	ND	0.449	ND	19.1
		06/27/12	0 - 1	2.89	89.0	0.260	11.2	5.3	9,190	7.36	120	ND	0.810	ND	31.2
		09/27/12	0 - 1	2.38	70.3	0.124	7.48	3.13	6,060	4.78	69.1	ND	0.710	ND	20.8
WQCC Level:				0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.002	0.05	0.05	10.0
Cell 25 SPLP	25	03/26/10	0 - 1	--	--	<0.0003	<0.002	--	--	0.00108	--	--	--	<0.001	0.0104

Table 3
Summary of Metals Analysis of Treatment Zone Soil Samples
Chevron North America Exploration and Production Company, Landfarm (Permit NM-2-0012)
W/2 of Section 17, Township 24 South, Range 36 East
Lea County, New Mexico

Sample	Cell Number	Date	Depth	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Lead	Manganese	Mercury	Selenium	Silver	Zinc
Background Level (3/25/09):				3.79	271	0.201	9.20	4.01	8,510	4.96	81.5	<0.0145	2.77	<0.0957	19.8
Cell 26 Dup-1	26	03/25/09	0 - 1	2.63	54.1	0.158	7.60	3.59	7,500	5.01	80.9	<0.0152	2.03	<0.0864	19.8
		03/26/10	0 - 1	2.39	62.5	0.226	9.17	4.44	6,660	5.43	104	<0.0159	0.75	<0.0840	20.9
		03/28/12	0 - 1	2.11	56.2	0.137	7.94	3.59	6,470	4.84	--	ND	0.54	ND	18.9
		06/27/12	0 - 1	1.89	62.7	0.151	7.94	3.29	6,510	4.57	75.6	ND	0.52	ND	19.4
		06/27/12	0 - 1	1.96	79.4	0.157	8.18	3.45	6,600	4.70	77.6	ND	0.53	ND	19.9
		09/27/12	0 - 1	2.19	52.4	0.0983	7.63	3.17	6,050	4.32	62.5	ND	0.691	ND	19.4
WQCC Level:				0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.002	0.05	0.05	10.0
Cell 26 SPLP	26	03/26/10	0 - 1	--	--	<0.0003	--	0.00336	--	0.00231	0.0446	--	--	--	0.0150

Notes: Analysis performed by DHL Analytical, Inc., Round Rock, TX
Results are reported in milligram per Kilograms (mg/Kg).
Metals analysis was performed by SW846 method 6020

Mercury analysis was performed by SW846 method 7471A
1. <: Less than method detection limit
2. ND Not Detected at the Method Detection Limit

Table 4
Summary of BTEX Analyses of Vadose Zone Soil Samples
Chevron North America Exploration and Production Company, Landfarm (Permit NM-2-0012)
W/2 of Section 17, Township 24 South, Range 36 East
Lea County, New Mexico

Sample	Cell Number	Date	Sample Depth (Feet)	Benzene	Ethylbenzene	Toluene	Total Xylenes	Total BTEX
WQCC Level:				10			50	
Cell 17	17	05/22/07	2 - 3	<0.00354	<0.00590	<0.00590	<0.00590	<0.00354
		09/13/07	2 - 3	<0.00112	<0.00112	<0.00112	<0.00112	<0.00112
		03/19/08	2 - 3	<0.00319	<0.00531	<0.00531	<0.00531	<0.00319
		08/26/08	2 - 3	<0.00318	<0.00530	<0.00530	<0.00530	<0.00318
		12/08/08	2 - 3	<0.00386	<0.00643	<0.00643	<0.00643	<0.00386
		03/25/09	2 - 3	<0.00289	<0.00481	<0.00481	<0.00481	<0.00289
		10/01/09	2 - 3	<0.00361	<0.00601	<0.00601	<0.00601	<0.00361
		12/21/09	2 - 3	<0.0342	<0.00571	<0.00571	<0.00571	<0.0342
		03/31/10	4 - 5	<0.00313	<0.00521	<0.00521	<0.00521	<0.00313
		06/14/10	5 - 6	<0.00295	<0.00491	<0.00491	<0.00491	<0.00295
		09/27/10	5 - 6	<0.00334	<0.00557	<0.00557	<0.00557	<0.00334
		12/23/10	5 - 6	<0.00310	<0.00517	<0.00517	<0.00517	<0.00310
		03/08/11	5 - 6	<0.00355	<0.00466	<0.00499	<0.00590	<0.00355
		06/21/11	5 - 6	<0.0121	<0.00872	<0.00616	<0.00629	<0.0121
		08/29/11	5 - 6	<0.0123	<0.00889	<0.00628	<0.00641	<0.0123
		12/22/11	5 - 6	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200
		03/28/12	5 - 6	ND	ND	ND	ND	ND
		06/27/12	5 - 6	ND	ND	ND	ND	ND
		09/27/12	5 - 6	ND	ND	ND	ND	ND
		12/19/12	5 - 6	ND	ND	ND	ND	ND
Cell 18	18	05/22/07	2 - 3	<0.00306	<0.00510	<0.00510	<0.00510	<0.00306
		09/13/07	2 - 3	<0.00101	<0.00101	<0.00101	<0.00101	<0.00101
		03/19/08	2 - 3	<0.00302	<0.00503	<0.00503	<0.00503	<0.00302
		08/25/08	2 - 3	<0.00305	<0.00509	<0.00509	<0.00509	<0.00305
		12/08/08	2 - 3	<0.00286	<0.00477	<0.00477	<0.00477	<0.00286

Table 4
Summary of BTEX Analyses of Vadose Zone Soil Samples
Chevron North America Exploration and Production Company, Landfarm (Permit NM-2-0012)
W/2 of Section 17, Township 24 South, Range 36 East
Lea County, New Mexico

Sample	Cell Number	Date	Sample Depth (Feet)	Benzene	Ethylbenzene	Toluene	Total Xylenes	Total BTEX
WQCC Level:				10			50	
Cell 18	18	03/25/09	2 - 3	<0.00311	<0.00519	<0.00519	<0.00519	<0.00311
		10/01/09	2 - 3	<0.00324	<0.00540	<0.00540	<0.00540	<0.00324
		12/21/09	2 - 3	<0.00310	<0.00517	<0.00517	<0.00517	<0.00310
		03/31/10	4 - 5	<0.00319	<0.00532	<0.00532	<0.00532	<0.00319
		06/14/10	5 - 6	<0.00333	<0.00556	<0.00556	<0.00556	<0.00333
		09/27/10	5 - 6	<0.00315	<0.00524	<0.00524	<0.00524	<0.00315
		12/23/10	5 - 6	<0.00340	<0.00566	<0.00566	<0.00566	<0.00340
		03/08/11	5 - 6	<0.0189	<0.0248	<0.0266	<0.0314	<0.0189
		06/21/11	5 - 6	<0.0132	<0.00949	<0.00670	<0.00684	<0.0132
		08/29/11	5 - 6	<0.0129	<0.00932	<0.00658	<0.00672	<0.0129
		12/22/11	5 - 6	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200
		03/28/12	5 - 6	ND	ND	ND	ND	ND
		06/27/12	5 - 6	ND	ND	ND	ND	ND
		09/27/12	5 - 6	ND	ND	ND	ND	ND
		12/19/12	3 - 4	ND	ND	ND	ND	ND
Cell 19	19	05/22/07	2 - 3	<0.00294	<0.00491	<0.00491	<0.00491	<0.00294
		09/13/07	2 - 3	<0.00107	<0.00107	<0.00107	<0.00107	<0.00107
		03/19/08	2 - 3	<0.00282	<0.00470	<0.00470	<0.00470	<0.00282
		08/25/08	2 - 3	<0.00307	<0.00512	<0.00512	<0.00512	<0.00307
		12/08/08	2 - 3	<0.00311	<0.00519	<0.00519	<0.00519	<0.00311
		03/25/09	2 - 3	<0.00318	<0.00530	<0.00530	<0.00530	<0.00318
		10/01/09	2 - 3	<0.00325	<0.00541	<0.00541	<0.00541	<0.00325
		12/21/09	2 - 3	<0.00320	<0.00534	<0.00534	<0.00534	<0.00320
		03/31/10	4 - 5	<0.00327	<0.00546	<0.00546	<0.00546	<0.00327
		06/14/10	5 - 6	<0.00329	<0.00549	<0.00549	<0.00549	<0.00329

Table 4
Summary of BTEX Analyses of Vadose Zone Soil Samples
Chevron North America Exploration and Production Company, Landfarm (Permit NM-2-0012)
W/2 of Section 17, Township 24 South, Range 36 East
Lea County, New Mexico

Sample	Cell Number	Date	Sample Depth (Feet)	Benzene	Ethylbenzene	Toluene	Total Xylenes	Total BTEX
WQCC Level:				10				50
Cell 19	19	09/27/10	5 - 6	<0.00310	<0.00517	<0.00517	<0.00517	<0.00310
		12/23/10	5 - 6	<0.00300	<0.00500	<0.00500	<0.00500	<0.00300
		03/08/11	5 - 6	<0.00370	<0.00487	<0.00521	<0.00616	<0.00370
		06/21/11	5 - 6	<0.0134	<0.00963	<0.00680	<0.00694	<0.0134
		08/29/11	5 - 6	<0.0124	<0.00892	<0.00630	<0.00644	<0.0124
		12/22/11	5 - 6	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200
		03/28/12	5 - 6	ND	ND	ND	ND	ND
		06/27/12	5 - 6	ND	ND	ND	ND	ND
		09/27/12	5 - 6	ND	ND	ND	ND	ND
		12/19/12	3 - 4	ND	ND	ND	ND	ND
Cell 20	20	05/22/07	2 - 3	<0.00326	<0.00543	<0.00543	<0.00543	<0.00326
		09/13/07	2 - 3	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012
		03/19/08	2 - 3	<0.00302	<0.00503	<0.00503	<0.00503	<0.00302
		08/25/08	2 - 3	<0.00264	<0.00440	<0.00440	<0.00440	<0.00264
		12/08/08	2 - 3	<0.00311	<0.00518	<0.00518	<0.00518	<0.00311
		03/25/09	2 - 3	<0.00307	<0.00512	<0.00512	<0.00512	<0.00307
		10/01/09	2 - 3	<0.00307	<0.00512	<0.00512	<0.00512	<0.00307
		12/21/09	2 - 3	<0.00331	<0.00551	<0.00551	<0.00551	<0.00331
		03/31/10	4 - 5	<0.00310	<0.00516	<0.00516	<0.00516	<0.00310
		06/14/10	5 - 6	<0.00316	<0.00527	<0.00527	<0.00527	<0.00316
		09/27/10	5 - 6	<0.00327	<0.00545	<0.00545	<0.00545	<0.00327
		12/23/10	5 - 6	<0.00300	<0.00500	<0.00500	<0.00500	<0.00300
		03/08/11	5 - 6	<0.00365	<0.00480	<0.00513	<0.00607	<0.00365
		06/21/11	5 - 6	<0.0132	<0.00955	<0.00674	<0.00689	<0.0132
		08/29/11	5 - 6	<0.0124	<0.00897	<0.00633	<0.00647	<0.0124

Table 4
Summary of BTEX Analyses of Vadose Zone Soil Samples
Chevron North America Exploration and Production Company, Landfarm (Permit NM-2-0012)
W/2 of Section 17, Township 24 South, Range 36 East
Lea County, New Mexico

Sample	Cell Number	Date	Sample Depth (Feet)	Benzene	Ethylbenzene	Toluene	Total Xylenes	Total BTEX
WQCC Level:				10			50	
Cell 20	20	12/22/11	5 - 6	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200
		03/28/12	5 - 6	ND	ND	ND	ND	ND
		06/27/12	5 - 6	ND	ND	ND	ND	ND
		09/27/12	5 - 6	ND	ND	ND	ND	ND
		12/19/12	3 - 4	ND	ND	ND	ND	ND
Cell 21	21	05/22/07	2 - 3	<0.00346	<0.00577	<0.00577	<0.00577	<0.00346
		09/13/07	2 - 3	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012
		03/19/08	2 - 3	<0.00311	<0.00519	<0.00519	<0.00519	<0.00311
		08/26/08	2 - 3	<0.00318	<0.00530	<0.00530	<0.00530	<0.00318
		12/08/08	2 - 3	<0.00303	<0.00505	<0.00505	<0.00505	<0.00303
		03/25/09	2 - 3	<0.00308	<0.00514	<0.00514	<0.00514	<0.00308
		10/01/09	2 - 3	<0.00351	<0.00584	<0.00584	<0.00584	<0.00351
		12/21/09	2 - 3	<0.00301	<0.00501	<0.00501	<0.00501	<0.00301
		03/31/10	4 - 5	<0.00300	<0.00500	<0.00500	<0.00500	<0.00300
		06/14/10	5 - 6	<0.00317	<0.00528	<0.00528	<0.00528	<0.00317
		09/27/10	5 - 6	<0.00313	<0.00522	<0.00522	<0.00522	<0.00313
		12/23/10	5 - 6	<0.00319	<0.00532	<0.00532	<0.00532	<0.00319
		03/08/11	5 - 6	<0.00368	<0.00484	<0.00518	<0.00612	<0.00368
		06/21/11	5 - 6	<0.0129	<0.00927	<0.00655	<0.00669	<0.0129
		08/29/11	5 - 6	<0.0122	<0.00876	<0.00618	<0.00632	<0.0122
		12/22/11	5 - 6	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
		03/28/12	5 - 6	ND	ND	ND	ND	ND
		06/27/12	5 - 6	ND	ND	ND	ND	ND
		09/27/12	5 - 6	ND	ND	ND	ND	ND
		12/19/12	3 - 4	ND	ND	ND	ND	ND

Table 4
Summary of BTEX Analyses of Vadose Zone Soil Samples
Chevron North America Exploration and Production Company, Landfarm (Permit NM-2-0012)
W/2 of Section 17, Township 24 South, Range 36 East
Lea County, New Mexico

Sample	Cell Number	Date	Sample Depth (Feet)	Benzene	Ethylbenzene	Toluene	Total Xylenes	Total BTEX
WQCC Level:				10			50	
Cell 25	25	05/22/07	2 - 3	<0.00281	<0.00468	<0.00468	<0.00468	<0.00281
		09/13/07	2 - 3	<0.000928	<0.000928	<0.000928	<0.000928	<0.000928
		08/25/08	2 - 3	<0.00302	<0.00504	<0.00504	<0.00504	<0.00302
		12/08/08	2 - 3	<0.00326	<0.00543	<0.00543	<0.00543	<0.00326
		03/25/09	2 - 3	<0.00302	<0.00504	<0.00504	<0.00504	<0.00302
		10/01/09	2 - 3	<0.00308	<0.00513	<0.00513	<0.00513	<0.00308
		12/21/09	2 - 3	<0.00323	<0.00538	<0.00538	<0.00538	<0.00323
		03/31/10	4 - 5	<0.00319	<0.00532	<0.00532	<0.00532	<0.00319
		06/14/10	5 - 6	<0.00293	<0.00489	<0.00489	<0.00489	<0.00293
		09/27/10	5 - 6	<0.00308	<0.00514	<0.00514	<0.00514	<0.00308
		12/23/10	5 - 6	<0.00324	<0.00540	<0.00540	<0.00540	<0.00324
		03/08/11	5 - 6	<0.00376	<0.00493	<0.00528	<0.00624	<0.00376
		06/21/11	5 - 6	<0.0132	<0.00948	<0.00669	<0.00683	<0.0132
		08/29/11	5 - 6	<0.0126	<0.00906	<0.00640	<0.00654	<0.0126
		12/22/11	5 - 6	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
		03/28/12	5 - 6	ND	ND	ND	ND	ND
		06/27/12	5 - 6	ND	ND	ND	ND	ND
		09/27/12	5 - 6	ND	ND	ND	ND	ND
		12/19/12	3 - 4	ND	ND	ND	ND	ND
Cell 26	26	05/22/07	2 - 3	<0.00295	<0.00492	<0.00492	<0.00492	<0.00295
		09/13/07	2 - 3	<0.00108	<0.00108	<0.00108	<0.00108	<0.00108
		08/26/08	2 - 3	<0.00315	<0.00525	<0.00525	<0.00525	<0.00315
		09/25/08	2 - 3	<0.00295	<0.00492	<0.00492	<0.00492	<0.00295
		12/08/08	2 - 3	<0.00309	<0.00515	<0.00515	<0.00515	<0.00309

Table 4
Summary of BTEX Analyses of Vadose Zone Soil Samples
Chevron North America Exploration and Production Company, Landfarm (Permit NM-2-0012)
W/2 of Section 17, Township 24 South, Range 36 East
Lea County, New Mexico

Sample	Cell Number	Date	Sample Depth (Feet)	Benzene	Ethylbenzene	Toluene	Total Xylenes	Total BTEX
WQCC Level:				10				50
Cell 26	26	03/25/09	2 - 3	<0.00323	<0.00538	<0.00538	<0.00538	<0.00323
		10/01/09	2 - 3	<0.00355	<0.00591	<0.00591	<0.00591	<0.00355
		12/21/09	2 - 3	<0.00332	<0.00553	<0.00553	<0.00553	<0.00332
		03/31/10	4 - 5	<0.00341	<0.00568	<0.00568	<0.00568	<0.00341
		06/14/10	5 - 6	<0.00324	<0.00540	<0.00540	<0.00540	<0.00324
		09/27/10	5 - 6	<0.00319	<0.00532	<0.00532	<0.00532	<0.00319
		12/23/10	5 - 6	<0.00302	<0.00503	<0.00503	<0.00503	<0.00302
		03/08/11	5 - 6	<0.00375	<0.00493	<0.00527	<0.00624	<0.00375
		06/21/11	5 - 6	<0.0126	<0.00905	<0.00639	<0.00652	<0.0126
		08/29/11	5 - 6	<0.0133	<0.00958	<0.00676	<0.00691	<0.0133
		12/22/11	5 - 6	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
		03/28/12	5 - 6	ND	ND	ND	ND	ND
		06/27/12	5 - 6	ND	ND	ND	ND	ND
		09/27/12	5 - 6	ND	ND	ND	ND	ND
		12/19/12	3 - 4	ND	ND	ND	ND	ND

Notes: Analysis performed by DHL Analytical, Inc., Round Rock, TX and Trace Analysis, Midland, TX

Results are reported in milligram per Kilograms (mg/Kg).

BTEX analysis was performed by SW846 method 8021B

1. <: Less than method detection limit

2. ND Not Detected at the Method Detection Limit

Table 5
Summary of TPH Analysis of Vadose Zone Soil Samples
Chevron North America Exploration and Production Company, Landfarm (Permit NM-2-0012)
W/2 of Section 17, Township 24 South, Range 36 East
Lea County, New Mexico

Sample	Cell Number	Date	Depth	TRPH	TPH - GRO C6-C10	TPH - DRO C10-C28	Total TPH
Background Level (3/25/09):				<5.30	<0.0632	<3.05	<3.1132
WQCC Level:				500			500
Cell 17	17	05/22/07	2 - 3	149	<0.0161	60.4	60.4
		03/19/08	2 - 3	<5.82	<0.0604	<1.69	ND
		08/26/08	2 - 3	<5.49	<0.0633	<9.10	ND
		12/08/08	2 - 3	<6.11	<0.0772	3.49	3.49
		03/25/09	2 - 3	<5.54	<0.0772	<3.19	ND
		10/01/09	2 - 3	<6.12	<0.115	<4.59	ND
		12/21/09	2 - 3	<11.4	<0.110	<3.34	ND
		03/31/10	4 - 5	<5.28	<0.104	<3.16	ND
		06/14/10	5 - 6	<5.44	<0.0971	<3.12	ND
		09/27/10	5 - 6	<5.77	<0.103	<3.41	ND
		12/23/10	5 - 6	<5.56	<0.0994	<11.0	ND
		03/08/11	5 - 6	31.7	<0.473	<16.6	ND
		06/21/11	5 - 6	<4.92	<0.773	<17.5	ND
		12/22/11	5 - 6	<10.0	<2.00	<50.0	ND
		03/28/12	5 - 6	ND	ND	ND	ND
		06/27/12	5 - 6	ND	ND	ND	ND
		09/27/12	5 - 6	7.62	ND	ND	ND
		12/19/12	5 - 6	ND	ND	ND	ND
Cell 18	18	05/22/07	2 - 3	<5.84	<0.0608	<3.09	ND
		03/19/08	2 - 3	16.5	<0.0561	1.72	1.72
		08/25/08	2 - 3	<5.43	<0.0575	16.7	16.7
		12/08/08	2 - 3	730	<0.0646	111	111
		01/20/09	2 - 3	23.0	<0.0557	54.5	54.5
		03/25/09	2 - 3	<5.55	<0.0707	<3.35	ND

Table 5
Summary of TPH Analysis of Vadose Zone Soil Samples
Chevron North America Exploration and Production Company, Landfarm (Permit NM-2-0012)
W/2 of Section 17, Township 24 South, Range 36 East
Lea County, New Mexico

Sample	Cell Number	Date	Depth	TRPH	TPH - GRO C6-C10	TPH - DRO C10-C28	Total TPH
Background Level (3/25/09):				<5.30	<0.0632	<3.05	<3.1132
WQCC Level:				500			500
Cell 18	18	10/01/09	2 - 3	<5.78	<0.104	<4.39	ND
		12/21/09	2 - 3	55.7	<0.105	19.6	19.6
		03/31/10	4 - 5	<5.85	<0.112	<3.29	ND
		06/14/10	5 - 6	<5.97	<0.119	<3.40	ND
		09/27/10	5 - 6	<5.93	<0.111	<3.35	ND
		12/23/10	5 - 6	<5.89	<0.113	<11.4	ND
		03/08/11	5 - 6	106.0	<2.52	<17.7	ND
		06/21/11	5 - 6	7.72	<0.840	<19.1	ND
		12/22/11	5 - 6	<10.0	<2.00	<50.0	ND
		03/28/12	5 - 6	ND	ND	ND	ND
		06/27/12	5 - 6	ND	ND	ND	ND
		09/27/12	5 - 6	ND	ND	11.1	11.1
		12/19/12	3 - 4	ND	ND	ND	ND
Cell 19	19	05/22/07	2 - 3	47.5	<0.0614	<3.14	ND
		03/19/08	2 - 3	<5.30	<0.0595	2.15	2.15
		08/25/08	2 - 3	<5.21	<0.0602	<9.29	ND
		12/08/08	2 - 3	<5.38	<0.0597	3.61	3.61
		03/25/09	2 - 3	<5.39	<0.0662	<3.08	ND
		10/01/09	2 - 3	<5.38	<0.106	<4.01	ND
		12/21/09	2 - 3	<11.2	<0.100	<3.25	ND
		03/31/10	4 - 5	<5.55	<0.103	<3.24	ND
		06/14/10	5 - 6	<5.60	<0.101	<3.10	ND
		09/27/10	5 - 6	<5.60	<0.104	<3.28	ND
		12/23/10	5 - 6	26.8	<0.100	15.9	15.9

Table 5
Summary of TPH Analysis of Vadose Zone Soil Samples
Chevron North America Exploration and Production Company, Landfarm (Permit NM-2-0012)
W/2 of Section 17, Township 24 South, Range 36 East
Lea County, New Mexico

Sample	Cell Number	Date	Depth	TRPH	TPH - GRO C6-C10	TPH - DRO C10-C28	Total TPH
Background Level (3/25/09):				<5.30	<0.0632	<3.05	<3.1132
WQCC Level:				500			500
Cell 19	19	03/08/11	5 - 6	34.1	<0.493	<17.4	ND
		06/21/11	5 - 6	445.0	<0.853	<19.4	ND
		12/22/11	5 - 6	<10.0	<2.00	<50.0	ND
		03/28/12	5 - 6	5.5	ND	ND	ND
		06/27/12	5 - 6	ND	ND	ND	ND
		09/27/12	5 - 6	6.74	ND	17.6	17.6
		12/19/12	3 - 4	ND	ND	ND	ND
Cell 20	20	05/22/07	2 - 3	<5.59	<0.0598	<2.98	ND
		03/19/08	2 - 3	<5.79	<0.0636	<1.68	ND
		08/25/08	2 - 3	<5.07	<0.0558	<8.50	ND
		12/08/08	2 - 3	<5.35	<0.0603	3.24	3.24
		03/25/09	2 - 3	<5.86	<0.0785	<3.54	ND
		10/01/09	2 - 3	<5.39	<0.104	<4.15	ND
		12/21/09	2 - 3	<11.4	<0.106	<3.38	ND
		03/31/10	4 - 5	<5.46	<0.0994	<3.11	ND
		06/14/10	5 - 6	<5.70	<0.107	<3.25	ND
		09/27/10	5 - 6	<5.47	<0.108	<3.15	ND
		12/23/10	5 - 6	15.5	<0.0991	12.8	12.8
		03/08/11	5 - 6	10.6	<0.486	<17.1	<17.1
		06/21/11	5 - 6	<5.38	<0.846	<19.2	ND
		12/22/11	5 - 6	10.8	<2.00	<50.0	ND
		03/28/12	5 - 6	116.0	ND	ND	ND
		06/27/12	5 - 6	ND	ND	ND	ND
		09/27/12	5 - 6	169	ND	26.9	26.9

Table 5
Summary of TPH Analysis of Vadose Zone Soil Samples
Chevron North America Exploration and Production Company, Landfarm (Permit NM-2-0012)
W/2 of Section 17, Township 24 South, Range 36 East
Lea County, New Mexico

Sample	Cell Number	Date	Depth	TRPH	TPH - GRO C6-C10	TPH - DRO C10-C28	Total TPH
Background Level (3/25/09):				<5.30	<0.0632	<3.05	<3.1132
WQCC Level:				500			500
Cell 20	20	12/19/12	3 - 4	ND	ND	ND	ND
Cell 21	21	05/22/07	2 - 3	<5.73	<0.0633	<3.23	ND
		03/19/08	2 - 3	<5.57	<0.0579	1.87	1.87
		08/26/08	2 - 3	15.5	<0.0611	44.5	44.5
		12/08/08	2 - 3	65.2	<0.0585	24.5	24.5
		03/25/09	2 - 3	<5.34	<0.0705	<3.18	ND
		10/01/09	2 - 3	<6.37	<0.116	<4.79	ND
		12/21/09	2 - 3	<10.4	<0.102	<3.21	ND
		03/31/10	4 - 5	317	<0.106	62.3	62.3
		06/14/10	5 - 6	<5.74	<0.113	<3.33	ND
		09/27/10	5 - 6	<5.70	<0.110	<3.29	ND
		12/23/10	5 - 6	49.4	<0.102	<11.1	ND
		03/08/11	5 - 6	45.7	<0.490	<17.3	ND
		06/21/11	5 - 6	10.2	<0.822	<18.6	ND
		12/22/11	5 - 6	133	<2.00	<50.0	ND
		03/28/12	5 - 6	105	ND	61.2	61.2
		06/27/12	5 - 6	ND	ND	ND	ND
		09/27/12	5 - 6	ND	ND	ND	ND
		12/19/12	3 - 4	ND	ND	14.7	14.7
Cell 25	25	05/22/07	2 - 3	<5.50	<0.0574	<3.04	ND
		08/25/08	2 - 3	<5.25	<0.0565	<9.36	ND
		12/08/08	2 - 3	<5.61	<0.0657	9.58	9.58
		03/25/09	2 - 3	<5.45	<0.0665	<3.14	ND

Table 5
Summary of TPH Analysis of Vadose Zone Soil Samples
Chevron North America Exploration and Production Company, Landfarm (Permit NM-2-0012)
W/2 of Section 17, Township 24 South, Range 36 East
Lea County, New Mexico

Sample	Cell Number	Date	Depth	TRPH	TPH - GRO C6-C10	TPH - DRO C10-C28	Total TPH
Background Level (3/25/09):				<5.30	<0.0632	<3.05	<3.1132
WQCC Level:				500			500
Cell 25	25	10/01/09	2 - 3	<5.72	<0.113	<4.53	ND
		12/21/09	2 - 3	<11.2	<0.104	<3.23	ND
		03/31/10	4 - 5	<5.50	<0.0988	<3.25	ND
		06/14/10	5 - 6	<5.53	<0.105	<3.24	ND
		09/27/10	5 - 6	<5.48	<0.107	<3.21	ND
		12/23/10	5 - 6	<5.72	<0.110	<11.1	ND
		03/08/11	5 - 6	7.1	<0.500	<17.6	ND
		06/21/11	5 - 6	<5.34	<0.839	<19.1	ND
		12/22/11	5 - 6	<10.0	<2.00	<50.0	ND
		03/28/12	5 - 6	ND	ND	ND	ND
		06/27/12	5 - 6	ND	ND	ND	ND
		09/27/12	5 - 6	ND	ND	ND	ND
		12/19/12	3 - 4	ND	ND	ND	ND
Cell 26	26	05/22/07	2 - 3	<5.81	<0.0609	<3.41	ND
		08/26/08	2 - 3	386	<0.0619	175	175
		09/25/08	2 - 3	<5.2	<0.0617	<3.27	ND
		12/08/08	2 - 3	12.4	<0.0664	18.6	18.6
		03/25/09	2 - 3	<5.74	<0.0787	<3.29	ND
		10/01/09	2 - 3	<5.72	<0.113	<4.53	ND
		12/21/09	2 - 3	<11.0	<0.0973	<3.27	ND
		03/31/10	4 - 5	<5.76	<0.109	<3.38	ND
		06/14/10	5 - 6	<5.74	<0.111	<3.32	ND
		09/27/10	5 - 6	<5.50	<0.103	<3.21	ND
		12/23/10	5 - 6	<5.63	<0.105	<11.2	ND

Table 5
Summary of TPH Analysis of Vadose Zone Soil Samples
Chevron North America Exploration and Production Company, Landfarm (Permit NM-2-0012)
W/2 of Section 17, Township 24 South, Range 36 East
Lea County, New Mexico

Sample	Cell Number	Date	Depth	TRPH	TPH - GRO C6-C10	TPH - DRO C10-C28	Total TPH
Background Level (3/25/09):				<5.30	<0.0632	<3.05	<3.1132
WQCC Level:				500			500
Cell 26	26	03/08/11	5 - 6	<5.36	<0.499	<17.6	ND
		06/21/11	5 - 6	51.6	<0.802	<18.2	ND
		12/22/11	5 - 6	<10.0	<2.00	<10.0	ND
		03/28/12	5 - 6	164	ND	57.3	57.3
		06/27/12	5 - 6	ND	ND	ND	ND
		09/27/12	5 - 6	8.2	ND	ND	ND
		12/19/12	3 - 4	ND	ND	ND	ND

Notes: Analysis performed by DHL Analytical, Inc., Round Rock, TX and Trace Analysis, Midland, TX

Results are reported in milligram per Kilograms (mg/Kg).

GRO and DRO analyses were performed by SW846 method 8015

TRPH analysis was performed by EPA method 418.1

1. <: Less than method detection limit
2. ND Not Detected at the Method Detection Limit

Table 6
Summary of Metals Analysis of Vadose Zone Soil Samples
Chevron North America Exploration and Production Company, Landfarm (Permit NM-2-0012)
W/2 of Section 17, Township 24 South, Range 36 East
Lea County, New Mexico

Sample	Cell Number	Date	Depth	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Lead	Mercury	Selenium	Silver	Zinc
Background Level (3/25/09):				3.79	271	0.201	9.20	4.01	8,510	4.96	<0.0145	2.77	<0.0957	19.8
Cell 17	17	05/22/07	2 - 3	3.30	164	0.188	7.90	--	--	4.360	0.0171	0.866	<0.107	--
		03/19/08	2 - 3	5.22	356	<0.113	1.09	--	--	0.591	<0.0180	0.407	<0.113	--
		08/26/08	2 - 3	2.87	213	0.138	3.19	--	--	1.67	<0.0155	0.716	<0.109	--
		03/25/09	2 - 3	4.43	1,330	0.182	3.64	2.17	2,440	1.93	<0.0169	1.35	<0.0997	6.94
		06/26/09	3 - 4	--	325	--	--	--	--	--	--	--	--	--
		10/01/09	2 - 3	3.78	478	--	3.46	1.97	3,540	2.11	--	1.02	--	6.44
		12/21/09	2 - 3	2.96	353	0.140	4.07	--	--	2.13	<0.0164	0.704	<0.106	--
		03/31/10	4 - 5	3.84	452	0.104	3.38	2.95	2,220	1.70	<0.0161	0.380	<0.101	6.09
		06/14/10	5 - 6	2.63	232	0.107	3.86	1.65	3,710	2.42	<0.0164	0.462	<0.105	9.59
		09/27/10	5 - 6	2.41	99.2	0.159	6.33	2.68	5,360	3.30	<0.0160	0.503	<0.113	11.30
		12/23/10	5 - 6	4.24	369	<0.108	3.45	2.23	2,460	1.49	<0.0161	0.319	<0.108	7.34
		03/08/11	5 - 6	3.20	242	BRL	3.70	4.60	2,740	2.90	0.00648	BRL	BRL	11.30
		06/21/11	5 - 6	5.79	878	0.043	1.96	1.60	2,380	<0.0929	0.00552	<0.306	<0.0682	5.81
		12/22/11	5 - 6	5.05	252	<0.0558	3.01	2.14	3,100	<0.196	0.00568	<0.212	<0.500	10.70
		03/28/12	5 - 6	0.94	35.3	ND	1.06	0.48	4,290	0.592	ND	0.103	ND	1.91
		06/27/12	5 - 6	3.84	401	0.113	3.86	2.72	2,530	1.51	ND	0.237	ND	5.96
		09/27/12	5 - 6	3.28	158	0.119	4.20	3.68	3,160	1.98	ND	0.444	ND	7.77
		12/19/12	5 - 6	5.50	417	0.157	4.56	4.06	3,310	2.15	ND	0.679	ND	8.78
WQCC Level:				0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.002	0.05	0.05	10.0
Cell 17 SPLP	17	03/31/10	4 - 5	<0.002	0.105	--	--	<0.002	<0.05	--	--	--	--	--
Cell 18	18	05/22/07	2 - 3	4.70	717	0.183	3.41	--	--	1.75	<0.0186	0.635	<0.104	--
		03/19/08	2 - 3	3.18	139	0.168	4.53	--	--	3.08	<0.0167	0.987	<0.0911	--

Table 6
Summary of Metals Analysis of Vadose Zone Soil Samples
Chevron North America Exploration and Production Company, Landfarm (Permit NM-2-0012)
W/2 of Section 17, Township 24 South, Range 36 East
Lea County, New Mexico

Sample	Cell Number	Date	Depth	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Lead	Mercury	Selenium	Silver	Zinc
Background Level (3/25/09):				3.79	271	0.201	9.20	4.01	8,510	4.96	<0.0145	2.77	<0.0957	19.8
Cell 18	18	08/25/08	2 - 3	3.91	149	0.172	3.97	--	--	3.48	<0.0164	0.897	<0.109	--
		03/25/09	2 - 3	4.81	730	<0.112	3.46	2.25	2,200	1.36	<0.0156	0.909	<0.112	10.2
		06/26/09	3 - 4	--	390	--	--	--	--	--	--	--	--	--
		10/01/09	2 - 3	3.64	352	--	2.15	1.26	1,870	1.22	--	0.659	--	3.05
		12/21/09	2 - 3	2.59	82.1	0.153	7.32	--	--	5.92	<0.0149	1.11	<0.0969	--
		03/31/10	4 - 5	2.66	222	<0.108	4.32	3.11	3,140	2.00	<0.0171	0.448	<0.108	9.39
		06/14/10	5 - 6	8.40	856	<0.108	3.50	5.60	2,440	1.49	<0.0210	0.387	<0.108	7.26
		09/27/10	5 - 6	2.94	546	<0.113	2.46	1.66	1,800	1.23	<0.0187	0.366	<0.113	4.81
		12/23/10	5 - 6	4.29	386	<0.113	2.85	2.85	2,190	1.44	<0.0174	0.263	<0.113	6.88
		03/08/11	5 - 6	3.80	602	BRL	3.10	2.00	2,060	1.70	0.00375	BRL	BRL	7.20
		06/21/11	5 - 6	3.98	134	<0.0248	3.24	1.75	2,610	<0.101	0.00577	<0.332	<0.0742	8.69
		12/22/11	5 - 6	6.33	287	<0.0558	1.20	<0.0620	1,320	<0.196	0.00678	<0.212	<0.500	5.80
		03/28/12	5 - 6	5.05	385	ND	2.70	1.48	2,040	1.38	ND	0.399	ND	4.98
		06/27/12	5 - 6	4.77	296	0.195	4.32	2.33	3,350	2.30	ND	0.557	ND	7.93
		09/27/12	5 - 6	2.81	139	0.105	4.63	2.09	3,480	2.42	ND	0.449	ND	8.06
		12/19/12	3 - 4	4.22	324	0.169	3.81	5.64	2,610	2.18	ND	0.698	ND	8.47
WQCC Level:				0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.002	0.05	0.05	10.0
Cell 18 SPLP	18	03/31/10	4 - 5	<0.002	0.0668	--	--	<0.002	0.208	--	--	--	--	--
Cell 19	19	05/22/07	2 - 3	2.29	61	0.135	9.69	--	--	4.82	<0.0162	1.03	<0.0912	--
		03/19/08	2 - 3	2.35	89.8	0.166	7.83	--	--	4.42	<0.0162	1.50	<0.0965	--
		08/25/08	2 - 3	1.72	40.9	<0.101	6.83	--	--	4.20	<0.0162	1.28	<0.101	--
		03/25/09	2 - 3	2.84	197	0.118	4.28	2.26	3,380	2.30	<0.0163	1.23	<0.102	7.97

Table 6
Summary of Metals Analysis of Vadose Zone Soil Samples
Chevron North America Exploration and Production Company, Landfarm (Permit NM-2-0012)
W/2 of Section 17, Township 24 South, Range 36 East
Lea County, New Mexico

Sample	Cell Number	Date	Depth	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Lead	Mercury	Selenium	Silver	Zinc
Background Level (3/25/09):				3.79	271	0.201	9.20	4.01	8,510	4.96	<0.0145	2.77	<0.0957	19.8
Cell 19	19	10/01/09	2 - 3	2.60	73.0	--	9.41	3.84	8,930	5.47	--	2.08	--	16
		12/21/09	2 - 3	4.52	876	<0.110	2.75	--	--	1.27	<0.0165	0.362	<0.110	--
		03/31/10	4 - 5	2.17	126	0.129	3.89	2.07	2,850	1.97	<0.0178	0.482	<0.105	7.44
		06/14/10	5 - 6	3.37	154	0.152	3.72	1.97	3,080	1.81	<0.0164	0.500	<0.111	7.04
		09/27/10	5 - 6	5.15	808	0.121	3.76	17.8	2,550	1.68	<0.0166	0.350	<0.106	18.7
		12/23/10	5 - 6	2.20	103	0.150	8.65	4.41	7,310	4.62	<0.0169	0.612	<0.103	19.4
		03/08/11	5 - 6	3.50	359	BRL	3.10	2.90	2,010	1.80	0.00717	BRL	BRL	7.6
		06/21/11	5 - 6	4.89	459	<0.0251	2.92	1.89	2,490	<0.102	0.00534	<0.337	<0.0753	7.96
		12/22/11	5 - 6	5.71	293	<0.0558	1.37	3.68	1,530	<0.196	<0.00198	<0.212	<0.500	8.81
		03/28/12	5 - 6	4.08	696	ND	2.66	2.24	1,920	1.33	ND	0.331	ND	5.18
		06/27/12	5 - 6	2.55	236	0.155	6.50	2.34	5,430	3.20	ND	0.541	ND	12.2
		09/27/12	5 - 6	2.07	305	0.170	5.71	3.52	4,430	2.79	ND	0.746	ND	10.2
		12/19/12	3 - 4	2.09	165	0.150	4.38	3.35	3,300	2.15	ND	0.554	ND	8.4
WQCC Level:				0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.002	0.05	0.05	10.0
Cell 19 SPLP	19	03/31/10	4 - 5	0.00252	0.0201	--	--	0.00279	0.546	--	--	--	--	--
Cell 20	20	05/22/07	2 - 3	2.98	96.1	0.202	7.16	--	--	4.65	<0.0169	1.140	<0.104	--
		03/19/08	2 - 3	3.30	247	0.099	2.45	--	--	1.35	<0.0158	0.459	<0.0989	--
		08/25/08	2 - 3	1.43	29.6	<0.0990	5.11	--	--	3.08	<0.0154	0.865	<0.0990	--
		03/25/09	2 - 3	4.29	204	<0.111	2.16	2.00	1,370	1.01	<0.0169	0.705	<0.111	4.84
		10/01/09	2 - 3	2.82	104	--	5.63	2.77	4,660	3.19	--	1.29	--	7.81
		12/21/09	2 - 3	3.69	263	<0.109	3.33	--	--	1.82	<0.0168	0.408	<0.109	--
		03/31/10	4 - 5	3.63	159	0.1	2.77	4.40	1,970	1.83	<0.0166	0.434	<0.104	6.86

Table 6
Summary of Metals Analysis of Vadose Zone Soil Samples
Chevron North America Exploration and Production Company, Landfarm (Permit NM-2-0012)
W/2 of Section 17, Township 24 South, Range 36 East
Lea County, New Mexico

Sample	Cell Number	Date	Depth	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Lead	Mercury	Selenium	Silver	Zinc
Background Level (3/25/09):				3.79	271	0.201	9.20	4.01	8,510	4.96	<0.0145	2.77	<0.0957	19.8
Cell 20	20	06/14/10	5 - 6	5.05	890	<0.109	2.28	2.60	1,780	1.05	0.0182	0.346	<0.109	4.26
		09/27/10	5 - 6	6.89	300	0.109	2.31	2.83	1,660	1.11	<0.0172	0.367	<0.106	5.23
		12/23/10	5 - 6	4.42	284	<0.101	3.17	2.60	1,950	1.25	<0.0149	0.251	<0.101	8.42
		03/08/11	5 - 6	3.00	159	BRL	3.10	2.80	2,300	2.00	0.0116	BRL	BRL	7.90
		06/21/11	5 - 6	5.29	254	<0.0249	2.31	2.36	1,680	<0.102	0.0140	<0.335	<0.0747	6.16
		12/22/11	5 - 6	5.73	323	<0.0558	2.14	4.08	1,810	<0.196	0.0035	<0.212	<0.500	10.1
		03/28/12	5 - 6	2.91	317	ND	4.22	2.02	3,230	2.14	ND	0.369	ND	7.55
		06/27/12	5 - 6	6.04	389	0.126	2.26	6.23	1,450	0.97	ND	0.305	ND	6.94
		09/27/12	5 - 6	5.93	406	0.113	4.21	4.34	2,760	1.46	ND	0.496	ND	7.35
		12/19/12	3 - 4	4.42	311	0.197	5.02	2.41	3,800	2.78	ND	1.070	ND	9.04
WQCC Level:				0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.002	0.05	0.05	10.0
Cell 20 SPLP	20	03/31/10	4 - 5	<0.002	0.154	--	--	<0.002	0.0666	--	--	--	--	--
Cell 21	21	05/22/07	2 - 3	3.6	230	0.151	4.29	--	--	2.18	<0.0177	0.626	<0.117	--
		03/19/08	2 - 3	4.53	736	0.125	2.15	--	--	1.21	<0.0158	0.460	<0.108	--
		08/26/08	2 - 3	2.67	73.1	0.141	9.52	--	--	6.55	<0.0149	2.41	<0.102	--
		03/25/09	2 - 3	2.61	74.4	0.147	8.83	4.03	8,130	4.76	<0.0154	2.45	<0.102	19.0
		10/01/09	2 - 3	4.71	708	--	2.95	1.35	2,410	1.64	--	0.824	--	4.49
		12/21/09	2 - 3	3.46	840	0.169	3.39	--	--	1.85	<0.0158	0.609	<0.609	--
		03/31/10	4 - 5	3.58	202	<0.101	6.43	3.89	4,440	4.69	<0.0171	0.604	<0.101	14.4
		06/14/10	5 - 6	6.02	765	0.175	2.88	2.54	2,430	2.01	<0.0102	0.452	<0.0579	6.13
		09/27/10	5 - 6	3.34	356	0.110	4.76	2.87	3,670	2.67	<0.0173	0.489	<0.106	9.51
		12/23/10	5 - 6	4.10	248	0.144	4.72	1.86	3,650	2.34	<0.0172	0.366	<0.108	9.72

Table 6
Summary of Metals Analysis of Vadose Zone Soil Samples
Chevron North America Exploration and Production Company, Landfarm (Permit NM-2-0012)
W/2 of Section 17, Township 24 South, Range 36 East
Lea County, New Mexico

Sample	Cell Number	Date	Depth	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Lead	Mercury	Selenium	Silver	Zinc
Background Level (3/25/09):				3.79	271	0.201	9.20	4.01	8,510	4.96	<0.0145	2.77	<0.0957	19.8
Cell 21	21	03/08/11	5 - 6	3.60	366	BRL	3.00	2.20	1,870	2.10	0.00797	BRL	BRL	8.00
		06/21/11	5 - 6	5.23	535	<0.0242	4.26	4.47	3,240	<0.0987	<0.00216	<0.325	<0.0726	16.40
		12/22/11	5 - 6	5.12	268	<0.0558	1.41	0.642	1,300	<0.196	<0.00198	<0.212	<0.500	7.30
		03/28/12	5 - 6	0.560	34.4	0.0333	1.10	1.20	4,000	0.641	ND	0.0874	ND	2.81
		06/27/12	5 - 6	3.42	402	ND	2.11	2.350	1,240	0.88	ND	0.177	ND	4.11
		09/27/12	5 - 6	4.24	266	ND	2.96	3.05	2,420	1.39	ND	0.313	ND	6.12
		12/19/12	3 - 4	4.27	396	0.185	4.56	4.98	3,210	2.51	ND	0.690	ND	9.70
WQCC Level:				0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.002	0.05	0.05	10.0
Cell 21 SPLP	21	03/31/10	4 - 5	<0.002	0.122	--	--	0.00222	0.251	--	--	--	--	--
Cell 25	25	05/22/07	2 - 3	2.96	76.7	0.197	11.70	--	--	6.13	<0.0171	1.39	<0.103	--
		08/25/08	2 - 3	2.88	60.8	0.155	8.91	--	--	5.51	<0.0154	1.41	<0.105	--
		03/25/09	2 - 3	3.85	65.5	0.215	11.6	3.83	11,800	6.61	<0.0158	2.86	<0.110	25.8
		10/01/09	2 - 3	3.15	57.4	--	10.8	3.21	11,500	6.61	--	2.32	--	19.7
		12/21/09	2 - 3	3.90	114	--	13.3	--	--	7.05	<0.0171	1.19	<0.0964	--
		03/31/10	4 - 5	4.11	377	<0.104	3.87	3.22	2,760	1.75	<0.0166	0.475	<0.104	8.60
		06/14/10	5 - 6	3.47	477	0.187	11.60	3.36	11,200	5.33	<0.0170	0.787	<0.105	26.0
		09/27/10	5 - 6	3.65	221	0.115	3.41	6.45	2,520	1.58	<0.0173	0.302	<0.106	10.4
		12/23/10	5 - 6	3.63	649	0.131	3.92	1.98	3,570	1.98	<0.0162	0.269	<0.111	8.0
		03/08/11	5 - 6	2.60	98	BRL	4.10	2.20	3,050	2.60	0.00467	BRL	BRL	9.3
		06/21/11	5 - 6	3.56	89	<0.0247	6.97	2.44	5,960	<0.101	<0.00221	<0.332	<0.0741	16.9
		12/22/11	5 - 6	5.94	290	<0.0558	1.69	<0.0620	1,790	<0.196	<0.00198	<0.212	<0.500	6.6
		03/28/12	5 - 6	0.479	93.5	0.0333	0.621	0.363	465	0.362	ND	0.0701	ND	1.25

Table 6
Summary of Metals Analysis of Vadose Zone Soil Samples
Chevron North America Exploration and Production Company, Landfarm (Permit NM-2-0012)
W/2 of Section 17, Township 24 South, Range 36 East
Lea County, New Mexico

Sample	Cell Number	Date	Depth	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Lead	Mercury	Selenium	Silver	Zinc
Background Level (3/25/09):				3.79	271	0.201	9.20	4.01	8,510	4.96	<0.0145	2.77	<0.0957	19.8
Cell 25	25	06/27/12	5 - 6	3.33	82	0.225	12.6	4.95	10,400	5.98	ND	0.731	ND	38.7
		09/27/12	5 - 6	2.17	363	0.168	3.78	2.42	2,850	2.00	ND	0.509	ND	8.03
		12/19/12	3 - 4	3.54	65	0.127	12.6	4.26	11,000	6.22	ND	1.2	ND	25.8
WQCC Level:				0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.002	0.05	0.05	10.0
Cell 25 SPLP	25	03/31/10	4 - 5	<0.002	0.188	--	--	<0.002	0.267	--	--	--	--	--
Cell 26	26	05/22/07	2 - 3	2.96	121	0.197	9.20	--	--	4.79	<0.0177	1.23	<0.109	--
		08/26/08	2 - 3	2.58	85.1	0.115	6.73	--	--	4.77	<0.0149	1.64	<0.103	--
		09/25/08	2 - 3	4.25	128	0.271	14.60	--	--	9.17	<0.0172	2.20	0.109	--
		03/25/09	2 - 3	5.19	692	0.132	3.07	2.37	2,100	1.38	<0.0177	0.960	<0.110	5.85
Cell 26	26	06/26/09	3 - 4	--	301	--	--	--	--	--	--	--	--	--
		10/01/09	2 - 3	4.56	88.3	--	15.5	5.87	16,900	9.12	--	3.34	--	32.2
		12/21/09	2 - 3	3.87	787	<108	2.14	--	--	0.959	<0.0165	0.259	<0.108	--
		03/31/10	4 - 5	3.64	362	<0.109	4.04	3.14	2,650	1.92	<0.0173	0.532	<0.109	8.99
		06/14/10	5 - 6	3.20	178	0.202	3.36	1.91	2,610	1.64	<0.0178	0.043	<0.114	6.46
		09/27/10	5 - 6	4.11	922	0.165	4.13	7.34	3,410	2.70	<0.0168	0.543	<0.109	12.6
		12/23/10	5 - 6	3.94	370	<0.112	3.74	2.05	2,970	1.79	<0.0177	0.346	<0.112	9.53
		03/08/11	5 - 6	2.20	189	BRL	2.20	1.30	1,470	1.10	0.00312	BRL	BRL	5.30
		06/21/11	5 - 6	5.06	343	<0.0236	3.38	2.09	2,690	<0.0963	<0.00211	<0.317	<0.0708	9.68
		12/22/11	5 - 6	4.92	194	<0.0558	2.94	3.00	2,720	<0.196	<0.00198	<0.212	<0.500	12.5
		03/28/12	5 - 6	0.587	29.6	0.0317	0.836	0.486	3,530	0.492	ND	0.0989	ND	1.76
		06/27/12	5 - 6	4.30	2480	0.253	3.74	4.28	2,640	2.06	ND	0.527	ND	9.8
		06/27/12	5 - 6	--	2630	--	--	--	--	--	--	--	--	--

Table 6
Summary of Metals Analysis of Vadose Zone Soil Samples
Chevron North America Exploration and Production Company, Landfarm (Permit NM-2-0012)
W/2 of Section 17, Township 24 South, Range 36 East
Lea County, New Mexico

Sample	Cell Number	Date	Depth	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Lead	Mercury	Selenium	Silver	Zinc
Background Level (3/25/09):				3.79	271	0.201	9.20	4.01	8,510	4.96	<0.0145	2.77	<0.0957	19.8
Cell 26	26	08/08/12	5 - 6	2.83	114	0.225	9.94	5.74	8,060	5.37	0.01300	1.45	ND	22.8
		09/27/12	5 - 6	3.27	428	0.173	4.58	4.53	3,370	2.29	ND	0.552	ND	9.46
		12/19/12	3 - 4	3.39	282	<0.101	3.50	1.48	2,640	1.63	ND	0.328	ND	13.2
WQCC Level:				0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.002	0.05	0.05	10.0
Cell 26 SPLP	26	03/31/10	4 - 5	<0.002	0.121	--	--	<0.002	0.401	--	--	--	--	--

Notes: Analysis performed by DHL Analytical, Inc., Round Rock, TX and Trace Analysis, Midland, TX

Results are reported in milligram per Kilograms (mg/Kg).

Metals analysis was performed by SW846 method 6020

Mercury analysis was performed by SW846 method 7471A

1. <:

2. ND Not Detected at the Method Detection Limit

Table 7
Summary of Anion Analyses of Vadose Zone Soil Samples
Chevron North America Exploration and Production Company, Landfarm (Permit NM-2-0012)
W/2 of Section 17, Township 24 South, Range 36 East
Lea County, New Mexico

Sample	Cell Number	Date	Depth	Alkalinity	Chloride	Sulfate
Background Level (3/25/09):				--	8.89	--
WQCC Level:				--	250	600
Cell 17	17	05/22/07	2 - 3	--	304	202
		03/19/08	2 - 3	11,100	61.2	71.4
		08/26/08	2 - 3	5,780	<5.41	46.4
		12/08/08	2 - 3	--	<6.50	--
		03/25/09	2 - 3	--	134	--
		06/26/09	3 - 4	--	90.8	--
		12/21/09	2 - 3	--	443	--
		03/31/10	4 - 5	--	134	--
		06/14/10	5 - 6	225	7.55	52.5
		09/27/10	5 - 6	--	<5.72	--
		12/23/10	5 - 6	--	95.7	--
		03/08/11	5 - 6	--	6.59	--
		06/21/11	5 - 6	--	18.7	--
		03/28/12	5 - 6	--	163	--
		06/27/12	5 - 6	--	196	135.0
		09/27/12	5 - 6	--	12.2	94.2
		12/19/12	5 - 6	--	112	--
Cell 18	18	05/22/07	2 - 3	--	18.9	150
		03/19/08	2 - 3	700	6.37	217
		08/25/08	2 - 3	2,600	9.94	123
		12/08/08	2 - 3	--	<5.52	--
		03/25/09	2 - 3	--	353	--
		06/26/09	3 - 4	--	22.5	--
		12/21/09	2 - 3	--	<5.35	--

Table 7
Summary of Anion Analyses of Vadose Zone Soil Samples
Chevron North America Exploration and Production Company, Landfarm (Permit NM-2-0012)
W/2 of Section 17, Township 24 South, Range 36 East
Lea County, New Mexico

Sample	Cell Number	Date	Depth	Alkalinity	Chloride	Sulfate
Background Level (3/25/09):				--	8.89	--
WQCC Level:				--	250	600
Cell 18	18	03/31/10	4 - 5	--	22.4	--
		06/14/10	5 - 6	250	85.4	449
		09/27/10	5 - 6	--	<5.91	--
		12/23/10	5 - 6	--	9.30	--
		03/08/11	5 - 6	--	12.1	--
		06/21/11	5 - 6	--	109	--
		03/28/12	5 - 6	--	30.40	--
		06/27/12	5 - 6	--	80.90	179
		09/27/12	5 - 6	--	188	171
		12/19/12	3 - 4	--	136	--
Cell 19	19	05/22/07	2 - 3	--	<5.06	205
		03/19/08	2 - 3	210	<5.36	300
		08/25/08	2 - 3	123	<5.14	152
		12/08/08	2 - 3	--	10.8	--
		03/25/09	2 - 3	--	6.94	--
		12/21/09	2 - 3	--	11.0	--
		03/31/10	4 - 5	--	<5.56	--
		06/14/10	5 - 6	184	19.4	126
		09/27/10	5 - 6	--	6.6	--
		12/23/10	5 - 6	--	7.94	--
		03/08/11	5 - 6	--	11.0	--
		06/21/11	5 - 6	--	14.2	--
		03/28/12	5 - 6	--	11.7	--
		06/27/12	5 - 6	--	122	287

Table 7
Summary of Anion Analyses of Vadose Zone Soil Samples
Chevron North America Exploration and Production Company, Landfarm (Permit NM-2-0012)
W/2 of Section 17, Township 24 South, Range 36 East
Lea County, New Mexico

Sample	Cell Number	Date	Depth	Alkalinity	Chloride	Sulfate
Background Level (3/25/09):				--	8.89	--
WQCC Level:				--	250	600
Cell 19	19	09/27/12	5 - 6	--	73.9	464
		12/19/12	3 - 4	--	28.3	--
Cell 20	20	05/22/07	2 - 3	--	<5.57	39.8
		03/19/08	2 - 3	152	15.3	561
		08/25/08	2 - 3	126	7.02	199
		12/08/08	2 - 3	--	<5.23	--
		03/25/09	2 - 3	--	10.8	--
		12/21/09	2 - 3	--	9.55	--
		03/31/10	4 - 5	--	13.7	--
		06/14/10	5 - 6	227	28.9	236
		09/27/10	5 - 6	--	47.1	--
		12/23/10	5 - 6	--	32.3	--
		03/08/11	5 - 6	--	20.6	--
		06/21/11	5 - 6	--	28.9	--
		03/28/12	5 - 6	--	21.6	--
		06/27/12	5 - 6	--	36	136
		09/27/12	5 - 6	--	146	220
		12/19/12	3 - 4	--	41.2	--
Cell 21	21	05/22/07	2 - 3	--	7.17	286
		03/19/08	2 - 3	523	13.0	320
		08/26/08	2 - 3	204	<5.32	23.9
		12/08/08	2 - 3	--	17.7	--
		03/25/09	2 - 3	--	<5.44	--

Table 7
Summary of Anion Analyses of Vadose Zone Soil Samples
Chevron North America Exploration and Production Company, Landfarm (Permit NM-2-0012)
W/2 of Section 17, Township 24 South, Range 36 East
Lea County, New Mexico

Sample	Cell Number	Date	Depth	Alkalinity	Chloride	Sulfate
Background Level (3/25/09):				--	8.89	--
WQCC Level:				--	250	600
Cell 21	21	12/21/09	2 - 3	--	14.4	--
		03/31/10	4 - 5	--	17.5	--
		06/14/10	5 - 6	214	26.5	156
		09/27/10	5 - 6	--	83.3	--
		12/23/10	5 - 6	--	<5.61	--
		03/08/11	5 - 6	--	5.43	--
		06/21/11	5 - 6	--	24.80	--
		03/28/12	5 - 6	--	5.58	--
		06/27/12	5 - 6	--	<5.20	53
		09/27/12	5 - 6	--	ND	54.5
		12/19/12	3 - 4	--	6.20	--
Cell 25	25	05/22/07	2 - 3	--	6.05	45.6
		08/25/08	2 - 3	211	<5.20	52.3
		12/08/08	2 - 3	--	7.20	--
		03/25/09	2 - 3	--	<5.55	--
		12/21/09	2 - 3	--	<5.56	--
		03/31/10	4 - 5	--	5.65	--
		06/14/10	5 - 6	420	24.7	81.6
		09/27/10	5 - 6	--	<5.48	--
		12/23/10	5 - 6	--	<5.68	--
		03/08/11	5 - 6	--	50.7	--
		06/21/11	5 - 6	--	9.5	--
		03/28/12	5 - 6	--	ND	--
		06/27/12	5 - 6	--	60.2	95.2

Table 7
Summary of Anion Analyses of Vadose Zone Soil Samples
Chevron North America Exploration and Production Company, Landfarm (Permit NM-2-0012)
W/2 of Section 17, Township 24 South, Range 36 East
Lea County, New Mexico

Sample	Cell Number	Date	Depth	Alkalinity	Chloride	Sulfate
Background Level (3/25/09):				--	8.89	--
WQCC Level:				--	250	600
		09/27/12	5 - 6	--	ND	65.8
Cell 25	25	12/19/12	3 - 4	--	<5.42	--
Cell 26	26	05/22/07	2 - 3	--	3.9	152
		08/26/08	2 - 3	1,430	<5.33	91
		09/25/08	2 - 3	106	<5.65	--
		12/08/08	2 - 3	--	<5.48	--
		03/25/09	2 - 3	--	<5.79	--
		06/26/09	3 - 4	--	<6.36	--
		12/21/09	2 - 3	--	<5.51	--
		03/31/10	4 - 5	--	8.03	--
		06/14/10	5 - 6	174	26.2	130
		09/27/10	5 - 6	--	<5.43	--
		12/23/10	5 - 6	--	<5.57	--
		03/08/11	5 - 6	--	5.64	--
		06/21/11	5 - 6	--	17.70	--
		03/28/12	5 - 6	--	ND	--
		06/27/12	5 - 6	--	25.50	81
		09/27/12	5 - 6	--	ND	102
		12/19/12	3 - 4	--	<5.27	--

Notes: Analysis performed by DHL Analytical, Inc., Round Rock, TX

Results are reported in milligram per Kilograms (mg/Kg).

Anion analysis was performed by SW846 method 9056

1. <: Less than method detection limit

2. ND Not Detected at the Method Detection Limit

Summary of Metals Analysis of Vadose Zone Soil Samples
Chevron North America Exploration and Production Company, Landfarm (Permit NM-2-0012)
W/2 of Section 17, Township 24 South, Range 36 East
Lea County, New Mexico

Sample	Date	Depth	Arsenic	Barium	Cadmium	Calcium	Chromium	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Potassium	Selenium	Silver	Sodium	Zinc
WQCC Level:			0.1	1.0	0.01	--	0.05	1.0	1.0	0.05	--	0.2	0.002	--	0.05	0.05	--	10.0
Background	03/25/09	2 - 3'	3.79	271	0.201	--	9.20	4.01	8,510	4.96	--	81.5	<0.0145	--	2.77	<0.0957	--	19.8
BK-L-32	06/25/09	8"	2.58	109	--	--	7.81	4.41	7,370	6.10	--	--	<0.0108	--	1.78	--	--	18.9
BK-M-32	06/25/09	12"	2.74	84.1	--	--	9.29	5.55	8,560	6.69	--	--	<0.0150	--	1.87	--	--	21.7
BK-R-32	06/25/09	18"	2.94	95.1	--	--	9.99	5.48	9,220	6.32	--	--	<0.0189	--	2.01	--	--	22.2
BK-L-31	06/25/09	12"	3.01	116	--	--	8.89	4.73	8,190	5.92	--	--	<0.0166	--	1.71	--	--	20.3
BK-R-31	06/25/09	12"	2.57	97.9	--	--	9.64	5.07	8,860	6.11	--	--	<0.0201	--	1.86	--	--	22.6
BK-L-30	06/25/09	12"	2.33	82.2	--	--	8.52	4.71	8,440	5.95	--	--	<0.0108	--	1.71	--	--	19.8
BK-M-30	06/25/09	8"	3.12	78.3	--	--	10.3	4.94	9,620	6.46	--	--	<0.0180	--	1.90	--	--	22.6
BK-R-30	06/25/09	10"	3.21	77.1	--	--	11.3	4.73	10,800	7.22	--	--	<0.0178	--	1.98	--	--	24.7
BK-L-29	06/25/09	36"	2.70	107	--	--	8.49	2.91	7,510	5.13	--	--	<0.0160	--	1.23	--	--	17.1
BK-R-29	06/25/09	30"	3.31	68.3	--	--	11.3	3.48	10,700	6.88	--	--	<0.0164	--	1.63	--	--	23.9

Notes: Analysis performed by DHL Analytical, Inc., Round Rock, TX

Results are reported in milligram per Kilograms (mg/Kg).

Metals analysis was performed by SW846 method 6020

Mercury analysis was performed by SW846 method 7471A

1. <: Less than method detection limit

Summary of Background Soil Samples
Chevron North America Exploration and Production Company, Landfarm (Permit NM-2-0012)
W/2 of Section 17, Township 24 South, Range 36 East
Lea County, New Mexico

Sample	Date	Depth	Arsenic	Descriptive Statistics	
WQCC Level:			0.1		
Background	03/25/09	2 - 3'	3.79	Mean	2.94
BK-L-32	06/25/09	8"	2.58	Standard Error	0.12
BK-M-32	06/25/09	12"	2.74	Median	2.94
BK-R-32	06/25/09	18"	2.94	Mode	#N/A
BK-L-31	06/25/09	12"	3.01	Standard Deviation	0.41
BK-R-31	06/25/09	12"	2.57	Sample Variance	0.17
BK-L-30	06/25/09	12"	2.33	Kurtosis	0.44
BK-M-30	06/25/09	8"	3.12	Skewness	0.63
BK-R-30	06/25/09	10"	3.21	Range	1.46
BK-L-29	06/25/09	36"	2.70	Minimum	2.33
BK-R-29	06/25/09	30"	3.31	Maximum	3.79
				Sum	32.30
				Count	11
				Confidence Level (95.0%)	0.28
				<i>Student-t's 95% minimum</i>	2.66
				<i>Student-t's 95% maximum</i>	3.22
				Confidence Level (98.0%)	0.34
				<i>Student-t's 98% minimum</i>	2.60
				<i>Student-t's 98% maximum</i>	3.28

Notes: Analysis performed by DHL Analytical, Inc., Round Rock, TX

Results are reported in milligram per Kilograms (mg/Kg).

Metals analysis was performed by SW846 method 6020

Mercury analysis was performed by SW846 method 7471A

1. <

Summary of Background Soil Samples
Chevron North America Exploration and Production Company, Landfarm (Permit NM-2-0012)
W/2 of Section 17, Township 24 South, Range 36 East
Lea County, New Mexico

Sample	Date	Depth	Barium	Descriptive Statistics	
WQCC Level:			1.0		
Background	03/25/09	2 - 3'	271	Mean	107.8
BK-L-32	06/25/09	8"	109	Standard Error	16.9
BK-M-32	06/25/09	12"	84.1	Median	95.1
BK-R-32	06/25/09	18"	95.1	Mode	#N/A
BK-L-31	06/25/09	12"	116	Standard Deviation	56.2
BK-R-31	06/25/09	12"	97.9	Sample Variance	3155.3
BK-L-30	06/25/09	12"	82.2	Kurtosis	9.0
BK-M-30	06/25/09	8"	78.3	Skewness	2.9
BK-R-30	06/25/09	10"	77.1	Range	202.7
BK-L-29	06/25/09	36"	107	Minimum	68.3
BK-R-29	06/25/09	30"	68.3	Maximum	271
				Sum	1186
				Count	11
				Confidence Level (95.0%)	37.7
				<i>Student-t's 95% minimum</i>	<i>70.1</i>
				<i>Student-t's 95% maximum</i>	<i>145.5</i>
				Confidence Level (98.0%)	46.8
				<i>Student-t's 98% minimum</i>	<i>61.0</i>
				<i>Student-t's 98% maximum</i>	<i>154.6</i>

Notes: Analysis performed by DHL Analytical,
Results are reported in milligram per Kilogram:
Metals analysis was performed by SW846 method
Mercury analysis was performed by SW846 method
1. <:

Summary of Background Soil Samples
Chevron North America Exploration and Production Company, Landfarm (Permit NM-2-0012)
W/2 of Section 17, Township 24 South, Range 36 East
Lea County, New Mexico

Sample	Date	Depth	Chromium	<i>Descriptive Statistics</i>	
WQCC Level:			0.05		
Background	03/25/09	2 - 3'	9.20	Mean	9.52
BK-L-32	06/25/09	8"	7.81	Standard Error	0.34
BK-M-32	06/25/09	12"	9.29	Median	9.29
BK-R-32	06/25/09	18"	9.99	Mode	11.3
BK-L-31	06/25/09	12"	8.89	Standard Deviation	1.13
BK-R-31	06/25/09	12"	9.64	Sample Variance	1.27
BK-L-30	06/25/09	12"	8.52	Kurtosis	-0.62
BK-M-30	06/25/09	8"	10.3	Skewness	0.38
BK-R-30	06/25/09	10"	11.3	Range	3.49
BK-L-29	06/25/09	36"	8.49	Minimum	7.81
BK-R-29	06/25/09	30"	11.3	Maximum	11.3
				Sum	104.73
				Count	11
				Confidence Level (95.0%)	0.76
				<i>Student-t's 95% minimum</i>	<i>8.76</i>
				<i>Student-t's 95% maximum</i>	<i>10.28</i>
				Confidence Level (98.0%)	0.94
				<i>Student-t's 98% minimum</i>	<i>8.58</i>
				<i>Student-t's 98% maximum</i>	<i>10.46</i>

Notes: Analysis performed by DHL Analytical,
 Results are reported in milligram per Kilogram
 Metals analysis was performed by SW846 method
 Mercury analysis was performed by SW846 method
 1. <:

Summary of Background Soil Samples
Chevron North America Exploration and Production Company, Landfarm (Permit NM-2-0012)
W/2 of Section 17, Township 24 South, Range 36 East
Lea County, New Mexico

Sample	Date	Depth	Copper	Descriptive Statistics	
WQCC Level:			1.0		
Background	03/25/09	2 - 3'	4.01	Mean	4.55
BK-L-32	06/25/09	8"	4.41	Standard Error	0.24
BK-M-32	06/25/09	12"	5.55	Median	4.73
BK-R-32	06/25/09	18"	5.48	Mode	4.73
BK-L-31	06/25/09	12"	4.73	Standard Deviation	0.81
BK-R-31	06/25/09	12"	5.07	Sample Variance	0.65
BK-L-30	06/25/09	12"	4.71	Kurtosis	0.33
BK-M-30	06/25/09	8"	4.94	Skewness	-0.86
BK-R-30	06/25/09	10"	4.73	Range	2.64
BK-L-29	06/25/09	36"	2.91	Minimum	2.91
BK-R-29	06/25/09	30"	3.48	Maximum	5.55
				Sum	50.02
				Count	11
				Confidence Level (95.0%)	0.54
				<i>Student-t's 95% minimum</i>	4.01
				<i>Student-t's 95% maximum</i>	5.09
				Confidence Level (98.0%)	0.67
				<i>Student-t's 98% minimum</i>	3.88
				<i>Student-t's 98% maximum</i>	5.22

Notes: Analysis performed by DHL Analytical,
 Results are reported in milligram per Kilogram:
 Metals analysis was performed by SW846 me
 Mercury analysis was performed by SW846 me
 1. <:

Summary of Background Soil Samples
Chevron North America Exploration and Production Company, Landfarm (Permit NM-2-0012)
W/2 of Section 17, Township 24 South, Range 36 East
Lea County, New Mexico

Sample	Date	Depth	Iron	Descriptive Statistics	
WQCC Level:			1.0		
Background	03/25/09	2 - 3'	8,510	Mean	8889
BK-L-32	06/25/09	8"	7,370	Standard Error	340
BK-M-32	06/25/09	12"	8,560	Median	8560
BK-R-32	06/25/09	18"	9,220	Mode	#N/A
BK-L-31	06/25/09	12"	8,190	Standard Deviation	1128
BK-R-31	06/25/09	12"	8,860	Sample Variance	1272749
BK-L-30	06/25/09	12"	8,440	Kurtosis	-0.36
BK-M-30	06/25/09	8"	9,620	Skewness	0.57
BK-R-30	06/25/09	10"	10,800	Range	3430
BK-L-29	06/25/09	36"	7,510	Minimum	7370
BK-R-29	06/25/09	30"	10,700	Maximum	10800
				Sum	97780
				Count	11
				Confidence Level (95.0%)	758
				<i>Student-t's 95% minimum</i>	<i>8131</i>
				<i>Student-t's 95% maximum</i>	<i>9647</i>
				Confidence Level (98.0%)	940
				<i>Student-t's 98% minimum</i>	<i>7949</i>
				<i>Student-t's 98% maximum</i>	<i>9829</i>

Notes: Analysis performed by DHL Analytical,

Results are reported in milligram per Kilogram:

Metals analysis was performed by SW846 met

Mercury analysis was performed by SW846 me

1. <:

Summary of Background Soil Samples
Chevron North America Exploration and Production Company, Landfarm (Permit NM-2-0012)
W/2 of Section 17, Township 24 South, Range 36 East
Lea County, New Mexico

Sample	Date	Depth	Lead	Descriptive Statistics	
WQCC Level:			0.05		
Background	03/25/09	2 - 3'	4.96	Mean	6.16
BK-L-32	06/25/09	8"	6.10	Standard Error	0.21
BK-M-32	06/25/09	12"	6.69	Median	6.11
BK-R-32	06/25/09	18"	6.32	Mode	#N/A
BK-L-31	06/25/09	12"	5.92	Standard Deviation	0.68
BK-R-31	06/25/09	12"	6.11	Sample Variance	0.46
BK-L-30	06/25/09	12"	5.95	Kurtosis	-0.08
BK-M-30	06/25/09	8"	6.46	Skewness	-0.41
BK-R-30	06/25/09	10"	7.22	Range	2.26
BK-L-29	06/25/09	36"	5.13	Minimum	4.96
BK-R-29	06/25/09	30"	6.88	Maximum	7.22
				Sum	67.74
				Count	11
				Confidence Level (95.0%)	0.46
				Student-t's 95% minimum	5.70
				Student-t's 95% maximum	6.62
				Confidence Level (98.0%)	0.57
				Student-t's 98% minimum	5.59
				Student-t's 98% maximum	6.73

Notes: Analysis performed by DHL Analytical,
 Results are reported in milligram per Kilogram:
 Metals analysis was performed by SW846 method
 Mercury analysis was performed by SW846 method
 1. <:

Summary of Background Soil Samples
Chevron North America Exploration and Production Company, Landfarm (Permit NM-2-0012)
W/2 of Section 17, Township 24 South, Range 36 East
Lea County, New Mexico

Sample	Date	Depth	Mercury		Descriptive Statistics	
WQCC Level:			0.002			
Background	03/25/09	2 - 3'	<0.0145	0.0145	Mean	0.0159
BK-L-32	06/25/09	8"	<0.0108	0.0108	Standard Error	0.0009
BK-M-32	06/25/09	12"	<0.0150	0.0150	Median	0.0164
BK-R-32	06/25/09	18"	<0.0189	0.0189	Mode	0.0108
BK-L-31	06/25/09	12"	<0.0166	0.0166	Standard Deviation	0.0030
BK-R-31	06/25/09	12"	<0.0201	0.0201	Sample Variance	9.02E-06
BK-L-30	06/25/09	12"	<0.0108	0.0108	Kurtosis	-0.1501
BK-M-30	06/25/09	8"	<0.0180	0.0180	Skewness	-0.6817
BK-R-30	06/25/09	10"	<0.0178	0.0178	Range	0.0093
BK-L-29	06/25/09	36"	<0.0160	0.0160	Minimum	0.0108
BK-R-29	06/25/09	30"	<0.0164	0.0164	Maximum	0.0201
					Sum	0.1749
					Count	11
					Confidence Level (95.0%)	0.0020
					Student-t's 95% minimum	0.0139
					Student-t's 95% maximum	0.0179
					Confidence Level (98.0%)	0.0025
					Student-t's 98% minimum	0.0134
					Student-t's 98% maximum	0.0184

Notes: Analysis performed by DHL Analytical,
 Results are reported in milligram per Kilogram.
 Metals analysis was performed by SW846 method
 Mercury analysis was performed by SW846 method
 1. <:

Summary of Background Soil Samples
Chevron North America Exploration and Production Company, Landfarm (Permit NM-2-0012)
W/2 of Section 17, Township 24 South, Range 36 East
Lea County, New Mexico

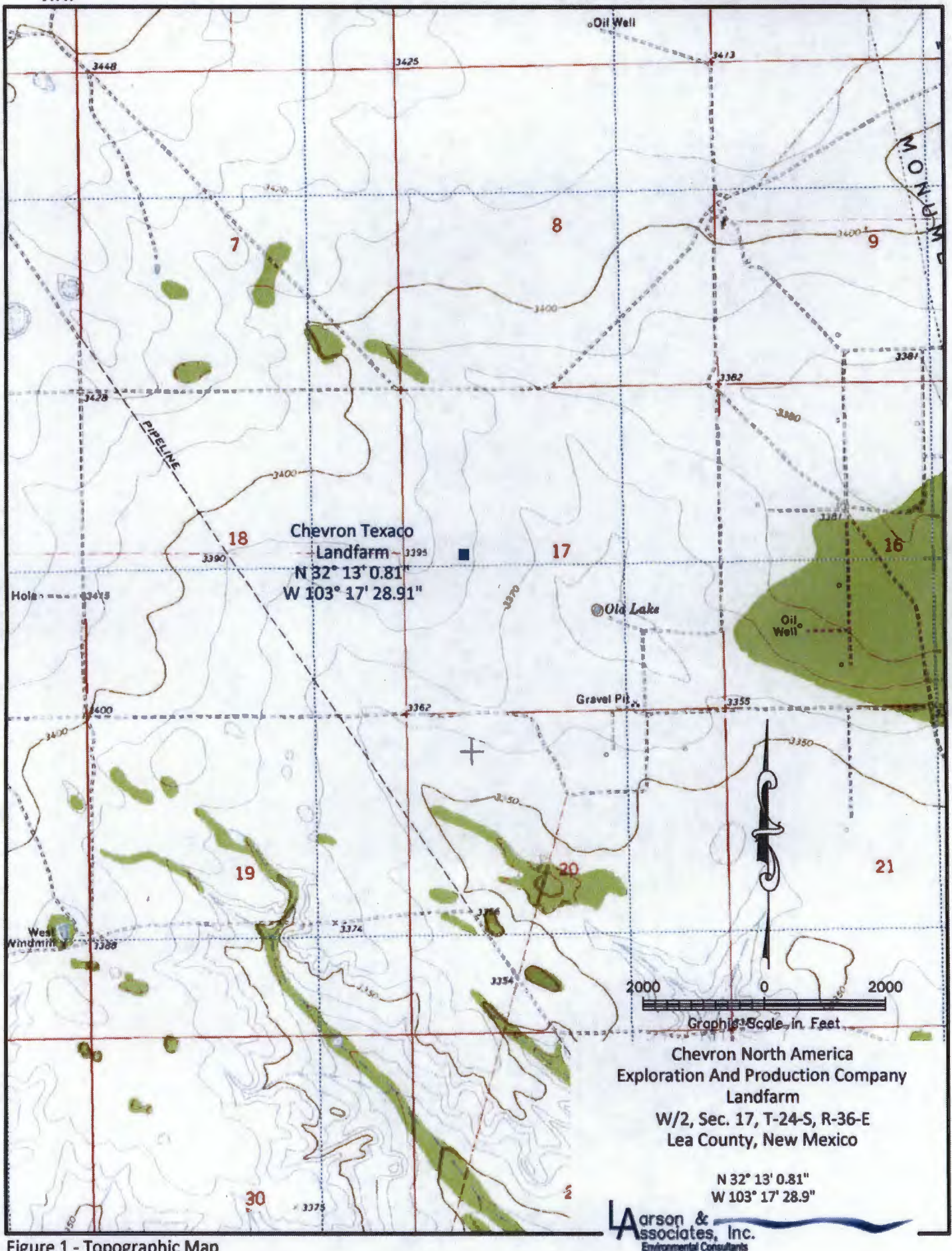
Sample	Date	Depth	Selenium	Descriptive Statistics	
WQCC Level:			0.05		
Background	03/25/09	2 - 3'	2.77	Mean	1.86
BK-L-32	06/25/09	8"	1.78	Standard Error	0.11
BK-M-32	06/25/09	12"	1.87	Median	1.86
BK-R-32	06/25/09	18"	2.01	Mode	1.71
BK-L-31	06/25/09	12"	1.71	Standard Deviation	0.37
BK-R-31	06/25/09	12"	1.86	Sample Variance	0.14
BK-L-30	06/25/09	12"	1.71	Kurtosis	4.16
BK-M-30	06/25/09	8"	1.90	Skewness	1.19
BK-R-30	06/25/09	10"	1.98	Range	1.54
BK-L-29	06/25/09	36"	1.23	Minimum	1.23
BK-R-29	06/25/09	30"	1.63	Maximum	2.77
				Sum	20.45
				Count	11
				Confidence Level (95.0%)	0.25
				<i>Student-t's 95% minimum</i>	1.61
				<i>Student-t's 95% maximum</i>	2.11
				Confidence Level (98.0%)	0.31
				<i>Student-t's 98% minimum</i>	1.61
				<i>Student-t's 98% maximum</i>	2.17

Notes: Analysis performed by DHL Analytical,
 Results are reported in milligram per Kilogram:
 Metals analysis was performed by SW846 method
 Mercury analysis was performed by SW846 method
 1. <:

Summary of Background Soil Samples
Chevron North America Exploration and Production Company, Landfarm (Permit NM-2-0012)
W/2 of Section 17, Township 24 South, Range 36 East
Lea County, New Mexico

Sample	Date	Depth	Zinc	Descriptive Statistics	
WQCC Level:			10.0		
Background	03/25/09	2 - 3'	19.8	Mean	21.2
BK-L-32	06/25/09	8"	18.9	Standard Error	0.68
BK-M-32	06/25/09	12"	21.7	Median	21.7
BK-R-32	06/25/09	18"	22.2	Mode	19.8
BK-L-31	06/25/09	12"	20.3	Standard Deviation	2.27
BK-R-31	06/25/09	12"	22.6	Sample Variance	5.15
BK-L-30	06/25/09	12"	19.8	Kurtosis	-0.48
BK-M-30	06/25/09	8"	22.6	Skewness	-0.25
BK-R-30	06/25/09	10"	24.7	Range	7.6
BK-L-29	06/25/09	36"	17.1	Minimum	17.1
BK-R-29	06/25/09	30"	23.9	Maximum	24.7
				Sum	233.6
				Count	11
				Confidence Level (95.0%)	1.52
				Student-t's 95% minimum	19.7
				Student-t's 95% maximum	22.7
				Confidence Level (98.0%)	1.89
				Student-t's 98% minimum	19.3
				Student-t's 98% maximum	23.1

Notes: Analysis performed by DHL Analytical,
Results are reported in milligram per Kilogram:
Metals analysis was performed by SW846 met
Mercury analysis was performed by SW846 me
1. <:



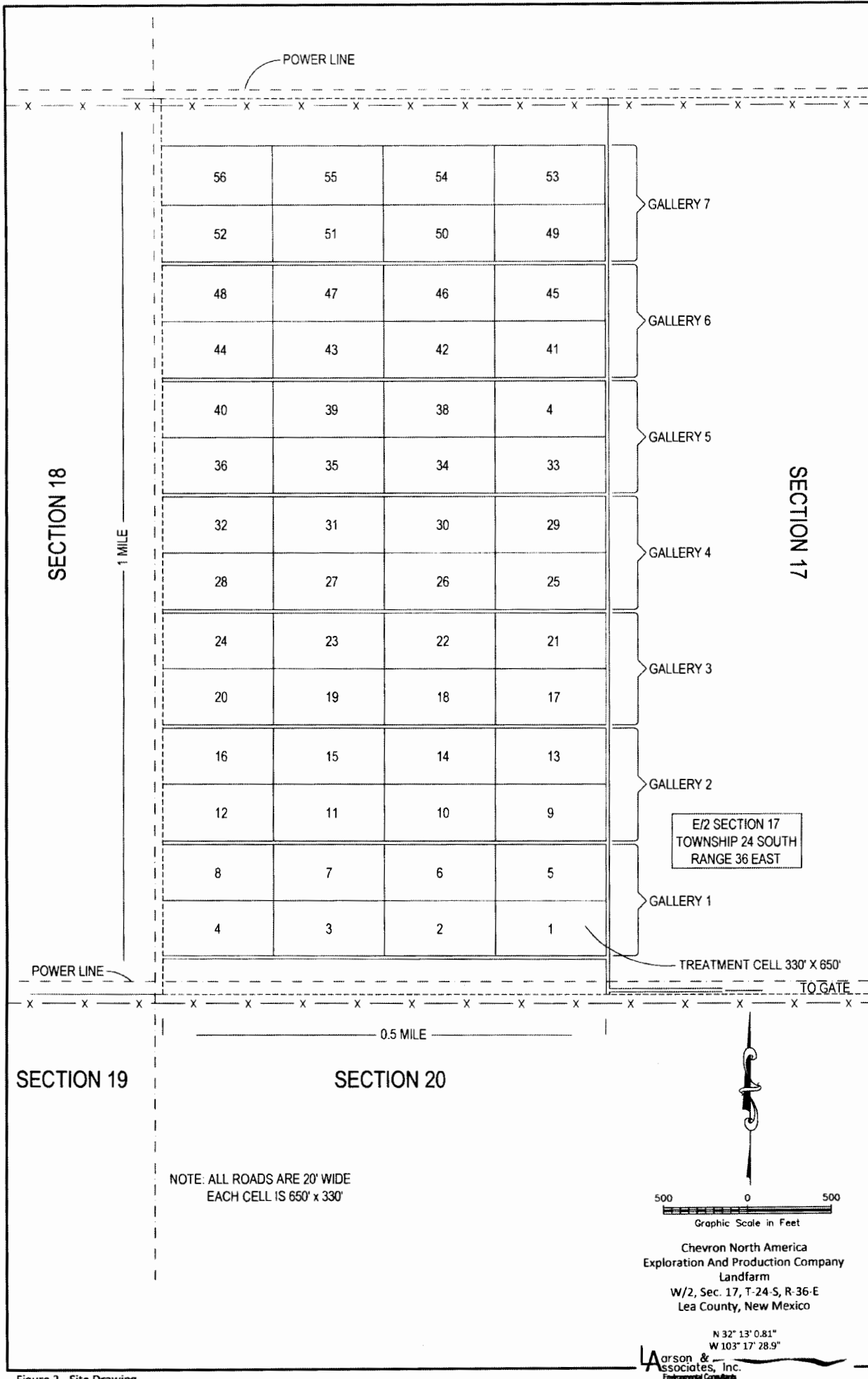


Figure 2 - Site Drawing



August 16, 2012

Mark Larson
Larson & Associates
507 N. Marienfeld #200
Midland, TX 79701
TEL: (432) 687-0901
FAX (432) 687-0456
RE: Chevron Landfarm

Order No.: 1208092

Dear Mark Larson:

DHL Analytical received 1 sample(s) on 8/9/2012 for the analyses presented in the following report.

There were no problems with the analyses and all data met requirements of NELAC except where noted in the Case Narrative. All non-NELAC methods will be identified accordingly in the case narrative and all estimated uncertainties of test results are within method or EPA specifications.

If you have any questions regarding these tests results, please feel free to call. Thank you for using DHL Analytical.

Sincerely,

John DuPont
General Manager

This report was performed under the accreditation of the State of Texas Laboratory Certification Number: T104704211-12-8



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Larson & Associates, Inc.
Environmental Consultants

DATE: 8/8/12 PAGE 1 OF 1
PO #: _____ LAB WORK ORDER #: 1208092
PROJECT LOCATION OR NAME: Chevron Landfarm
LAI PROJECT #: 6-0137 COLLECTOR: D. Fletcher

Data Reported to:



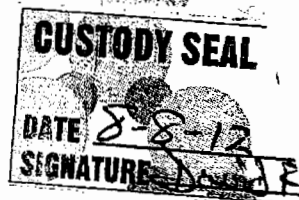
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Airbill No. 47376904



47376904

1. To: Print Name (Person) <u>Samuel Recinos</u> Phone (Important) <u>(512) 388-8222</u>		2. From: Print Name (Person) <u>Aud Fletcher</u> Phone (Important) <u>432-687-0901</u>	
Company Name <u>DHL ANANTICAL</u>		Company Name <u>LARSON & ASSOCIATES</u>	
Street Address (No P.O. Box or P.O. Box Zip Code Deliveries) <u>2300 Double Creek Dr.</u>		Street Address <u>107 NORTH MARLENFELD</u>	
Suite / Floor <u></u>		Suite / Floor <u>200</u>	
City <u>Round Rock</u>	State <u>TX</u>	City <u>MIDLAND</u>	State <u>TX</u>
Zip <u>78664</u>		Zip <u>79701</u>	
3. Service: Visit www.lso.com for availability of services to your destination and enjoy added features by creating your shipping label online.		4. Package: Weight: <u>25 LBS</u>	
☐ By 10:30 am Delivery Check availability at www.lso.com		Your Company's Billing Reference Information <u>6-0137</u>	
☐ By 8:30 am Delivery Check availability at www.lso.com (Extra charge, no signature obtained)		Ship Date: (mm/dd/yyyy) <u>8-8-12</u>	
☐ By 3:00 pm Delivery		5. Payment:	
☐ Ground (next day to most cities) Assumed 10:30 a.m. service unless otherwise noted.		FOR COURIER USE ONLY	
☐ Deliver Without Delivery Signature (See Limits of Liability below)		Counter Number _____	
Release Signature _____ L x W x H		☐ Check here if LSO Supplies are used with Ground Service.	
		Pick-up Location _____	
		Date: _____	
		Time: _____	
		City Code: <u>AUS</u>	

LIMIT OF LIABILITY: We are not responsible for claims in excess of \$100 for any reason unless you: 1) declare a greater value (not to exceed \$25,000); 2) pay an additional fee; 3) and document your actual loss in a timely manner. We will not pay any claim in excess of the actual loss. We are not liable for any special or consequential damages. Additional limitations of liability are contained in our current Service Guide. If you ask us to deliver a package without obtaining a delivery signature, you release us of all liability for claims resulting from such service. NO DELIVERY SIGNATURE WILL BE OBTAINED FOR 06:30 AM DELIVERIES, PRIORITY SERVICE PACKAGING PROVIDED BY LSO IS NOT INTENDED FOR USE ON GROUND SERVICE. OVERSIZE RATES MAY APPLY. DELIVERY COMMITMENTS MAY VARY. ADDITIONAL FEES MAY APPLY.



DHL Analytical

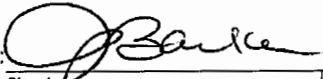
Sample Receipt Checklist

Client Name **Larson & Associates**

Date Received: **8/9/2012**

Work Order Number **1208092**

Received by **JB**

Checklist completed by: 

8/9/2012

Signature

Date

Reviewed by 

8/9/2012

Initials

Date

Carrier name: LoneStar

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	0..6 °C
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☒
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☒

Adjusted? _____ Checked by _____

Any No response must be detailed in the comments section below.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

DHL Analytical**Date:** 16-Aug-12

CLIENT: Larson & Associates
Project: Chevron Landfarm
Lab Order: 1208092

CASE NARRATIVE

Sample was analyzed using the methods outlined in the following references:

Method SW7471B - Mercury Analysis
Method SW6020 - Metals Analysis
Method D2216 - Percent Moisture

LOG IN

The samples were received and log-in performed on 8/9/2012. A total of 1 sample was received and analyzed. The sample arrived in good condition and was properly packaged.

METALS ANALYSIS

For Metals Analysis, the recoveries of a few analytes for the Matrix Spike and Matrix Spike Duplicate (1208118-01 MS/MSD) were outside of the method control limits. These are flagged accordingly in the QC Summary Report. These analytes are within method control limits in the associated LCS. No further corrective actions were taken.

For Metals Analysis, the RPD's of two analytes for the Serial Dilution (1208118-01 SD) were above the method control limits. These are flagged accordingly in the QC Summary Report. These analytes are within method control limits in the associated Post Digestion Spike. No further corrective actions were taken.

DHL Analytical**Date:** 16-Aug-12

CLIENT: Larson & Associates
Project: Chevron Landfarm
Lab Order: 1208092**Work Order Sample Summary**

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recved
1208092-01	Cell 26-RS		08/08/12 10:00 AM	8/9/2012

Lab Order: 1208092
Client: Larson & Associates
Project: Chevron Landfarm

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1208092-01A	Cell 26-RS	08/08/12 10:00 AM	Soil	SW7471A	Mercury Soil Prep, Total	08/13/12 08:39 AM	53254
	Cell 26-RS	08/08/12 10:00 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	08/13/12 09:02 AM	53290
	Cell 26-RS	08/08/12 10:00 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	08/13/12 09:02 AM	53290
1208092-01B	Cell 26-RS	08/08/12 10:00 AM	Soil	D2216	Moisture Preparation	08/15/12 09:42 AM	53342

Lab Order: 1208092
Client: Larson & Associates
Project: Chevron Landfarm

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1208092-01A	Cell 26-RS	Soil	SW7471B	Total Mercury: Soil/Solid	53254	1	08/13/12 02:57 PM	CETAC_HG_120813B
	Cell 26-RS	Soil	SW6020	Trace Metals: ICP-MS - Solid	53290	5	08/13/12 10:24 PM	ICP-MS3_120813D
	Cell 26-RS	Soil	SW6020	Trace Metals: ICP-MS - Solid	53290	50	08/13/12 10:18 PM	ICP-MS3_120813D
1208092-01B	Cell 26-RS	Soil	D2216	Percent Moisture	53342	1	08/16/12 09:45 AM	PMOIST_120815B

DHL Analytical

Date: 16-Aug-12

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1208092

Client Sample ID: Cell 26-RS
Lab ID: 1208092-01
Collection Date: 08/08/12 10:00 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TOTAL MERCURY: SOIL/SOLID		SW7471B					Analyst: LM
Mercury	0.0130	0.0102	0.0254	J	mg/Kg-dry	1	08/13/12 02:57 PM
TRACE METALS: ICP-MS - SOLID		SW6020					Analyst: AJR
Arsenic	2.83	0.318	0.635		mg/Kg-dry	5	08/13/12 10:24 PM
Barium	114	0.318	1.27		mg/Kg-dry	5	08/13/12 10:24 PM
Cadmium	0.225	0.0635	0.191		mg/Kg-dry	5	08/13/12 10:24 PM
Chromium	9.94	0.318	1.27		mg/Kg-dry	5	08/13/12 10:24 PM
Copper	5.74	0.318	1.27		mg/Kg-dry	5	08/13/12 10:24 PM
Iron	8060	79.4	79.4		mg/Kg-dry	50	08/13/12 10:18 PM
Lead	5.37	0.0635	0.191		mg/Kg-dry	5	08/13/12 10:24 PM
Selenium	1.45	0.0953	0.318		mg/Kg-dry	5	08/13/12 10:24 PM
Silver	ND	0.0635	0.127		mg/Kg-dry	5	08/13/12 10:24 PM
Zinc	22.8	0.635	1.59		mg/Kg-dry	5	08/13/12 10:24 PM
PERCENT MOISTURE		D2216					Analyst: MK
Percent Moisture	23.2	0	0		WT%	1	08/16/12 09:45 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	N	Parameter not NELAC certified		

CLIENT: Larson & Associates

Work Order: 1208092

Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: CETAC_HG_120813B

The QC data in batch 53254 applies to the following samples: 1208092-01A

Sample ID: MB-53254	Batch ID: 53254	TestNo: SW7471B	Units: mg/Kg
SampType: MBLK	Run ID: CETAC_HG_120813B	Analysis Date: 8/13/2012 2:22:39 PM	Prep Date: 8/13/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.0400								

Sample ID: LCS-53254	Batch ID: 53254	TestNo: SW7471B	Units: mg/Kg
SampType: LCS	Run ID: CETAC_HG_120813B	Analysis Date: 8/13/2012 2:26:46 PM	Prep Date: 8/13/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.230	0.0400	0.2000	0	115	85	115			

Sample ID: LCSD-53254	Batch ID: 53254	TestNo: SW7471B	Units: mg/Kg
SampType: LCSD	Run ID: CETAC_HG_120813B	Analysis Date: 8/13/2012 2:29:19 PM	Prep Date: 8/13/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.224	0.0400	0.2000	0	112	85	115	2.64	25	

Sample ID: 1208100-04C SD	Batch ID: 53254	TestNo: SW7471B	Units: mg/Kg-dry
SampType: SD	Run ID: CETAC_HG_120813B	Analysis Date: 8/13/2012 2:39:41 PM	Prep Date: 8/13/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0	0.235	0	0.02436				0	10	

Sample ID: 1208100-04C PDS	Batch ID: 53254	TestNo: SW7471B	Units: mg/Kg-dry
SampType: PDS	Run ID: CETAC_HG_120813B	Analysis Date: 8/13/2012 2:41:45 PM	Prep Date: 8/13/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.353	0.0471	0.2942	0.02436	112	85	115			

Sample ID: 1208100-04C MS	Batch ID: 53254	TestNo: SW7471B	Units: mg/Kg-dry
SampType: MS	Run ID: CETAC_HG_120813B	Analysis Date: 8/13/2012 2:43:49 PM	Prep Date: 8/13/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.250	0.0469	0.2344	0.02436	96.1	80	120			

Sample ID: 1208100-04C MSD	Batch ID: 53254	TestNo: SW7471B	Units: mg/Kg-dry
SampType: MSD	Run ID: CETAC_HG_120813B	Analysis Date: 8/13/2012 2:54:58 PM	Prep Date: 8/13/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.249	0.0470	0.2348	0.02436	95.6	80	120	0.315	25	

Qualifiers:

B Analyte detected in the associated Method Blank

J Analyte detected between MDL and RL

ND Not Detected at the Method Detection Limit

RL Reporting Limit

J Analyte detected between SDL and RL

DF Dilution Factor

MDL Method Detection Limit

R RPD outside accepted control limits

S Spike Recovery outside control limits

N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1208092
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: CETAC_HG_120813B

Sample ID: ICV-120813	Batch ID: R61969	TestNo: SW7471B	Units: mg/Kg							
SampType: ICV	Run ID: CETAC_HG_120813B	Analysis Date: 8/13/2012 12:26:59 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.00428	0.0400	0.004000	0	107	90	110			

Sample ID: CCV2-120813	Batch ID: R61969	TestNo: SW7471B	Units: mg/Kg							
SampType: CCV	Run ID: CETAC_HG_120813B	Analysis Date: 8/13/2012 1:18:35 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.00211	0.0400	0.002000	0	106	90	110			

Sample ID: CCV3-120813	Batch ID: R61969	TestNo: SW7471B	Units: mg/Kg							
SampType: CCV	Run ID: CETAC_HG_120813B	Analysis Date: 8/13/2012 2:50:50 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.00209	0.0400	0.002000	0	104	90	110			

Sample ID: CCV4-120813	Batch ID: R61969	TestNo: SW7471B	Units: mg/Kg							
SampType: CCV	Run ID: CETAC_HG_120813B	Analysis Date: 8/13/2012 3:15:43 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.00215	0.0400	0.002000	0	108	90	110			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL
DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1208092
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3_120813D

The QC data in batch 53290 applies to the following samples: 1208092-01A

Sample ID: MB-53290	Batch ID: 53290	TestNo: SW6020	Units: mg/Kg
SampType: MBLK	Run ID: ICP-MS3_120813D	Analysis Date: 8/13/2012 9:33:00 PM	Prep Date: 8/13/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	1.00								
Barium	ND	2.00								
Cadmium	ND	0.300								
Chromium	ND	2.00								
Copper	ND	2.00								
Iron	ND	12.5								
Lead	ND	0.300								
Selenium	ND	0.500								
Silver	ND	0.200								
Zinc	ND	2.50								

Sample ID: LCS-53290	Batch ID: 53290	TestNo: SW6020	Units: mg/Kg
SampType: LCS	Run ID: ICP-MS3_120813D	Analysis Date: 8/13/2012 9:39:00 PM	Prep Date: 8/13/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	51.9	1.00	50.00	0	104	80	120			
Barium	50.2	2.00	50.00	0	100	80	120			
Cadmium	50.8	0.300	50.00	0	102	80	120			
Chromium	53.2	2.00	50.00	0	106	80	120			
Copper	52.9	2.00	50.00	0	106	80	120			
Iron	298	12.5	250.0	0	119	80	120			
Lead	51.6	0.300	50.00	0	103	80	120			
Selenium	50.8	0.500	50.00	0	102	80	120			
Silver	52.8	0.200	50.00	0	106	80	120			
Zinc	52.8	2.50	50.00	0	106	80	120			

Sample ID: LCSD-53290	Batch ID: 53290	TestNo: SW6020	Units: mg/Kg
SampType: LCSD	Run ID: ICP-MS3_120813D	Analysis Date: 8/13/2012 9:45:00 PM	Prep Date: 8/13/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	52.1	1.00	50.00	0	104	80	120	0.336	20	
Barium	51.1	2.00	50.00	0	102	80	120	1.93	20	
Cadmium	51.5	0.300	50.00	0	103	80	120	1.42	20	
Chromium	54.1	2.00	50.00	0	108	80	120	1.72	20	
Copper	52.8	2.00	50.00	0	106	80	120	0.142	20	
Iron	300	12.5	250.0	0	120	80	120	0.752	20	
Lead	52.5	0.300	50.00	0	105	80	120	1.78	20	
Selenium	51.6	0.500	50.00	0	103	80	120	1.42	20	
Silver	53.2	0.200	50.00	0	106	80	120	0.754	20	
Zinc	52.6	2.50	50.00	0	105	80	120	0.427	20	

Qualifiers: B Analyte detected in the associated Method Blank J Analyte detected between MDL and RL ND Not Detected at the Method Detection Limit RL Reporting Limit J Analyte detected between SDL and RL	DF Dilution Factor MDL Method Detection Limit R RPD outside accepted control limits S Spike Recovery outside control limits N Parameter not NELAC certified
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CLIENT: Larson & Associates
Work Order: 1208092
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3_120813D

Sample ID: 1208118-01B SD	Batch ID: 53290	TestNo: SW6020	Units: mg/Kg
SampType: SD	Run ID: ICP-MS3_120813D	Analysis Date: 8/13/2012 10:13:00 PM	Prep Date: 8/13/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	8.28	4.85	0	8.214				0.824	10	
Barium	73.8	9.71	0	81.00				9.30	10	
Cadmium	0	1.46	0	0.3051				0	10	
Chromium	31.8	9.71	0	26.50				18.1	10	R
Copper	24.4	9.71	0	22.92				6.25	10	
Lead	12.5	1.46	0	13.50				8.04	10	
Selenium	5.26	2.43	0	5.328				1.28	10	
Silver	0	0.971	0	0				0	10	
Zinc	62.6	12.1	0	56.84				9.61	10	

Sample ID: 1208118-01B PDS	Batch ID: 53290	TestNo: SW6020	Units: mg/Kg
SampType: PDS	Run ID: ICP-MS3_120813D	Analysis Date: 8/13/2012 11:15:00 PM	Prep Date: 8/13/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	52.0	0.971	48.54	8.214	90.1	75	125			
Barium	131	1.94	48.54	81.00	103	75	125			
Cadmium	47.2	0.291	48.54	0.3051	96.6	75	125			
Chromium	65.0	1.94	48.54	26.50	79.2	75	125			
Copper	65.0	1.94	48.54	22.92	86.6	75	125			
Lead	62.4	0.291	48.54	13.50	101	75	125			
Selenium	46.4	0.485	48.54	5.328	84.7	75	125			
Silver	46.0	0.194	48.54	0	94.7	75	125			
Zinc	98.8	2.43	48.54	56.84	86.4	75	125			

Sample ID: 1208118-01B MS	Batch ID: 53290	TestNo: SW6020	Units: mg/Kg
SampType: MS	Run ID: ICP-MS3_120813D	Analysis Date: 8/13/2012 11:20:00 PM	Prep Date: 8/13/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	51.7	0.935	46.73	8.214	93.0	80	120			
Barium	136	1.87	46.73	81.00	118	80	120			
Cadmium	45.5	0.280	46.73	0.3051	96.7	80	120			
Chromium	63.2	1.87	46.73	26.50	78.5	80	120			S
Copper	64.2	1.87	46.73	22.92	88.4	80	120			
Iron	45000	11.7	233.6	43030	841	80	120			S
Lead	62.9	0.280	46.73	13.50	106	80	120			
Selenium	43.5	0.467	46.73	5.328	81.7	80	120			
Silver	46.3	0.187	46.73	0	99.1	80	120			
Zinc	84.8	2.34	46.73	56.84	59.9	80	120			S

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Larson & Associates

Work Order: 1208092

Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3_120813D

Sample ID: 1208118-01B MSD	Batch ID: 53290	TestNo: SW6020	Units: mg/Kg
SampType: MSD	Run ID: ICP-MS3_120813D	Analysis Date: 8/13/2012 11:26:00 PM	Prep Date: 8/13/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	52.9	0.935	46.73	8.214	95.5	80	120	2.24	20	
Barium	137	1.87	46.73	81.00	121	80	120	0.974	20	S
Cadmium	46.5	0.280	46.73	0.3051	98.8	80	120	2.18	20	
Chromium	64.6	1.87	46.73	26.50	81.5	80	120	2.19	20	
Copper	68.0	1.87	46.73	22.92	96.5	80	120	5.69	20	
Iron	45600	11.7	233.6	43030	1100	80	120	1.34	20	S
Lead	64.5	0.280	46.73	13.50	109	80	120	2.53	20	
Selenium	43.2	0.467	46.73	5.328	81.1	80	120	0.647	20	
Silver	46.9	0.187	46.73	0	100	80	120	1.25	20	
Zinc	88.8	2.34	46.73	56.84	68.4	80	120	4.55	20	S

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1208092
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3_120813D

Sample ID: LCVL-120813	Batch ID: R61990	TestNo: SW6020	Units: mg/L							
SampType: LCVL	Run ID: ICP-MS3_120813D	Analysis Date: 8/13/2012 4:14:00 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Iron	0.122	0.100	0.100	0	122	70	130			
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Sample ID: LCVL3-120813	Batch ID: R61990	TestNo: SW6020	Units: mg/L							
SampType: LCVL	Run ID: ICP-MS3_120813D	Analysis Date: 8/13/2012 9:11:00 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Arsenic	0.00482	0.00500	0.00500	0	96.3	70	130			
Barium	0.00448	0.0100	0.00500	0	89.5	70	130			
Cadmium	0.00100	0.00100	0.00100	0	100	70	130			
Chromium	0.00477	0.00500	0.00500	0	95.4	70	130			
Copper	0.00510	0.0100	0.00500	0	102	70	130			
Iron	0.112	0.100	0.100	0	112	70	130			
Lead	0.000934	0.00100	0.00100	0	93.4	70	130			
Selenium	0.00544	0.00600	0.00500	0	109	70	130			
Silver	0.00193	0.00200	0.00200	0	96.4	70	130			
Zinc	0.00464	0.00500	0.00500	0	92.7	70	130			

Sample ID: LCVL4-120813	Batch ID: R61990	TestNo: SW6020	Units: mg/L							
SampType: LCVL	Run ID: ICP-MS3_120813D	Analysis Date: 8/14/2012 12:05:00 AM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Arsenic	0.00485	0.00500	0.00500	0	96.9	70	130			
Barium	0.00452	0.0100	0.00500	0	90.3	70	130			
Cadmium	0.000982	0.00100	0.00100	0	98.2	70	130			
Chromium	0.00494	0.00500	0.00500	0	98.7	70	130			
Copper	0.00511	0.0100	0.00500	0	102	70	130			
Iron	0.122	0.100	0.100	0	122	70	130			
Lead	0.000947	0.00100	0.00100	0	94.7	70	130			
Selenium	0.00531	0.00600	0.00500	0	106	70	130			
Silver	0.00195	0.00200	0.00200	0	97.3	70	130			
Zinc	0.00471	0.00500	0.00500	0	94.2	70	130			

Sample ID: ICV1-120813	Batch ID: R61990	TestNo: SW6020	Units: mg/L							
SampType: ICV	Run ID: ICP-MS3_120813D	Analysis Date: 8/13/2012 3:54:00 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Arsenic	0.0968	0.00600	0.100	0	96.8	90	110			
Barium	0.0965	0.0100	0.100	0	96.5	90	110			
Cadmium	0.0970	0.00100	0.100	0	97.0	90	110			
Chromium	0.102	0.00600	0.100	0	102	90	110			
Copper	0.0981	0.0100	0.100	0	98.1	90	110			

Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

- DF Dilution Factor
- MDL Method Detection Limit
- R RPD outside accepted control limits
- S Spike Recovery outside control limits
- N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1208092
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3_120813D

Sample ID: ICV1-120813	Batch ID: R61990	TestNo: SW6020	Units: mg/L
SampType: ICV	Run ID: ICP-MS3_120813D	Analysis Date: 8/13/2012 3:54:00 PM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	2.54	0.150	2.50	0	102	90	110			
Lead	0.0963	0.00100	0.100	0	96.3	90	110			
Selenium	0.100	0.00600	0.100	0	100	90	110			
Silver	0.0996	0.00200	0.100	0	99.6	90	110			
Zinc	0.101	0.00500	0.100	0	101	90	110			

Sample ID: CCV3-120813	Batch ID: R61990	TestNo: SW6020	Units: mg/L
SampType: CCV	Run ID: ICP-MS3_120813D	Analysis Date: 8/13/2012 8:37:00 PM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.198	0.00600	0.200	0	98.8	90	110			
Barium	0.180	0.0100	0.200	0	89.8	90	110			
Cadmium	0.185	0.00100	0.200	0	92.5	90	110			
Chromium	0.191	0.00600	0.200	0	95.4	90	110			
Copper	0.195	0.0100	0.200	0	97.6	90	110			
Iron	4.74	0.150	5.00	0	94.7	90	110			
Lead	0.186	0.00100	0.200	0	93.2	90	110			
Selenium	0.200	0.00600	0.200	0	100	90	110			
Silver	0.186	0.00200	0.200	0	92.8	90	110			
Zinc	0.201	0.00500	0.200	0	100	90	110			

Sample ID: CCV4-120813	Batch ID: R61990	TestNo: SW6020	Units: mg/L
SampType: CCV	Run ID: ICP-MS3_120813D	Analysis Date: 8/13/2012 11:31:00 PM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.203	0.00600	0.200	0	101	90	110			
Barium	0.184	0.0100	0.200	0	92.0	90	110			
Cadmium	0.189	0.00100	0.200	0	94.3	90	110			
Chromium	0.203	0.00600	0.200	0	102	90	110			
Copper	0.197	0.0100	0.200	0	98.6	90	110			
Iron	5.01	0.150	5.00	0	100	90	110			
Lead	0.190	0.00100	0.200	0	95.0	90	110			
Selenium	0.203	0.00600	0.200	0	101	90	110			
Silver	0.191	0.00200	0.200	0	95.5	90	110			
Zinc	0.200	0.00500	0.200	0	100	90	110			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1208092
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: PMOIST_120815B

The QC data in batch 53342 applies to the following samples: 1208092-01B

Sample ID: 1208067-19A-DUP	Batch ID: 53342	TestNo: D2216	Units: WT%							
SampType: DUP	Run ID: PMOIST_120815B	Analysis Date: 8/16/2012 9:45:00 AM	Prep Date: 8/15/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Percent Moisture	6.86	0	0	7.048				2.74	30	

Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

- DF Dilution Factor
- MDL Method Detection Limit
- R RPD outside accepted control limits
- S Spike Recovery outside control limits
- N Parameter not NELAC certified



January 04, 2013

Coty Woolf
Larson & Associates
507 N. Marienfeld #200
Midland, TX 79701
TEL: (432) 687-0901
FAX (432) 687-0456
RE: Chevron Landfarm

Order No.: 1212209

Dear Coty Woolf:

DHL Analytical, Inc. received 15 sample(s) on 12/20/2012 for the analyses presented in the following report.

There were no problems with the analyses and all data met requirements of NELAC except where noted in the Case Narrative. All non-NELAC methods will be identified accordingly in the case narrative and all estimated uncertainties of test results are within method or EPA specifications.

If you have any questions regarding these tests results, please feel free to call. Thank you for using DHL Analytical.

Sincerely,

John DuPont
General Manager

This report was performed under the accreditation of the State of Texas Laboratory Certification
Number: T104704211-12-9



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LAarson &
ssociates, Inc.
Environmental Consultants

Data Reported to: Coty Woolf

DATE: 12/19/12 PAGE 1 OF 1
PO #: _____ LAB WORK ORDER #: 1212209
PROJECT LOCATION OR NAME: Cherron Landfarm
LAI PROJECT #: 6-0137 COLLECTOR: JNF

[illegible]



WWW.LSO.COM
Questions? Call 800-800-8984
Airbill No. 47376944



47376944

1. To: Print Name (Person) Jennifer Barker Phone (Important) 512-388-8222		2. From: Print Name (Person) John Ferguson Phone (Important) 432-687-0901	
Company Name DHL Analytical		Company Name MARSON & ASSOCIATES	
Street Address (No P.O. Box or P.O. Box Zip Code Deliveries) 2300 Double Creek Drive		Street Address 607 NORTH MARLENFELD	
Suite / Floor		Suite / Floor	
City Round Rock	State TX	City MIDLAND	State TX
Zip 78664		Zip 79701	
3. Service: Visit www.lso.com for availability of services at your destination and enjoy added features by creating your shipping label online.		4. Package: Weight: 50 lbs	
☒ By 10:30 am Delivery Check availability at www.lso.com		Your Company's Billing Reference Information 6-0137	
☐ By 8:30 am Delivery Check availability at www.lso.com		Ship Date: (mm/dd/yy) 12 19 12	
☐ By 3:00 pm Delivery Check availability at www.lso.com		5. Payment:	
☐ Ground (next business day most cities) Otherwise noted.		FOR COURIER USE ONLY Courier Number _____ ☐ Check here if LSO Supplies are used with Ground Service. Pick-up Location _____ Date: _____ Time: _____ City Code: _____	
☐ Deliver Without Signature See Limits of Liability below			
Release Signature _____ L x W x H			

LIMIT OF LIABILITY: We are not responsible for claims in excess of \$100 for any reason unless you: 1) declare a greater value (not to exceed \$25,000); 2) pay an additional fee; 3) and document your actual loss in a timely manner. We will not pay any claim in excess of the actual loss. We are not liable for any special or consequential damages. Additional limitations of liability are contained in our current Service Guide. If you ask us to deliver a package without obtaining a delivery signature, you release us of all liability for claims resulting from such service. NO DELIVERY SIGNATURE WILL BE OBTAINED FOR 8:30 AM DELIVERIES. PRIORITY SERVICE PACKAGING PROVIDED BY LSO IS NOT INTENDED FOR USE ON GROUND SERVICE. OVERSIZE RATES MAY APPLY. DELIVERY COMMITMENTS MAY VARY. ADDITIONAL FEES MAY APPLY.

CUSTODY SEAL	
DATE	SIGNATURE
	<i>John Z...</i>
	12/19/12

QEC
Quality Environmental Containers
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DHL Analytical, Inc.

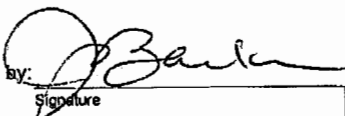
Sample Receipt Checklist

Client Name **Larson & Associates**

Date Received: **12/20/2012**

Work Order Number **1212209**

Received by **JB**

Checklist completed by: 

12/20/2012

Reviewed by **JS**

12/20/2012

Signature

Date

Initials

Date

Carrier name: **LoneStar**

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	2.3 °C
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☒
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☒

Adjusted? _____ Checked by _____

Any No response must be detailed in the comments section below.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

CLIENT: Larson & Associates
Project: Chevron Landfarm
Lab Order: 1212209

CASE NARRATIVE

Sample was analyzed using the methods outlined in the following references:

Method SW8021B - Volatile Organics by GC
Method E300 - Anions Analysis
Method E418.1 - TRPH Analysis (This parameter is not NELAC certified)
Method SW8015D - DRO Analysis
Method SW8015V - GRO Analysis
Method SW6020A - Metals Analysis
Method SW7471B - Mercury Analysis
Method D2216 - Percent Moisture

LOG IN

The samples were received and log-in performed on 12/20/2012. A total of 15 samples were received and analyzed. The samples arrived in good condition and were properly packaged. The samples were collected in Mountain Standard Time.

DRO ANALYSIS

For DRO Analysis, the recovery of surrogate Octacosane for Samples Cell 18 (0-1'), Cell 21 (0-1') and Dup (0-1') was above the method control limits. These are flagged accordingly in the Analytical Data Report. The remaining surrogate for these samples was within method control limits. No further corrective action was taken.

For DRO Analysis, the recovery of surrogate Isopropylbenzene for the Laboratory Control Spike (LCS-55324) was marginally below the method control limits. This was flagged accordingly in the QC Summary Report. The remaining surrogate for this sample was within method control limits. No further corrective action was taken.

METALS ANALYSIS

For Metals Analysis, the recoveries of Barium and Iron for the Matrix Spike and Matrix Spike Duplicate (1212209-01 MS/MSD) were below the method control limits. These were flagged accordingly in the QC Summary Report. These analytes were within method control limits in the associated LCS. No further corrective action was taken.

For Metals Analysis, the recoveries of Barium and Silver for the Post Digestion Spike 91212209-01 PDS) were above the method control limits. These were flagged accordingly in the QC Summary Report. These analytes were within method control limits in the associated Serial Dilution. No further corrective action was taken.

CLIENT: Larson & Associates
Project: Chevron Landfarm
Lab Order: 1212209

CASE NARRATIVE

For Metals Analysis, the RPD of Copper for the Serial Dilution (1212209-01SD) was above the method control limits. This was flagged accordingly in the QC Summary Report. This element was within method control limits in the associated Post Digestion Spike. No further corrective action was taken.

For Metals Analysis, the response factor of various Internal Standards for Samples Cell 20 (3-4'), Cell 21 (3-4') and Cell 25 (3-4') and some QC samples and bracketing QC were below the method control limits., due to matrix. No further corrective action was taken.

DHL Analytical, Inc.**Date:** 04-Jan-13

CLIENT: Larson & Associates
Project: Chevron Landfarm
Lab Order: 1212209

Work Order Sample Summary

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recved
1212209-01	Cell 17 (5-6')		12/18/12 09:50 AM	12/20/2012
1212209-02	Cell 18 (3-4')		12/18/12 10:00 AM	12/20/2012
1212209-03	Cell 19 (3-4')		12/18/12 10:10 AM	12/20/2012
1212209-04	Cell 20 (3-4')		12/18/12 10:20 AM	12/20/2012
1212209-05	Cell 21 (3-4')		12/18/12 10:35 AM	12/20/2012
1212209-06	Cell 26 (3-4')		12/18/12 10:45 AM	12/20/2012
1212209-07	Cell 25 (3-4')		12/18/12 10:55 AM	12/20/2012
1212209-08	Cell 17 (0-1')		12/18/12 12:00 PM	12/20/2012
1212209-09	Cell 18 (0-1')		12/18/12 12:20 PM	12/20/2012
1212209-10	Cell 19 (0-1')		12/18/12 12:35 PM	12/20/2012
1212209-11	Cell 20 (0-1')		12/18/12 12:55 PM	12/20/2012
1212209-12	Cell 21 (0-1')		12/18/12 01:15 PM	12/20/2012
1212209-13	Cell 26 (0-1')		12/18/12 01:35 PM	12/20/2012
1212209-14	Cell 25 (0-1')		12/18/12 01:50 PM	12/20/2012
1212209-15	Dup (0-1')		12/18/12	12/20/2012

Lab Order: 1212209
 Client: Larson & Associates
 Project: Chevron Landfarm

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1212209-01A	Cell 17 (5-6')	12/18/12 09:50 AM	Soil	SW5030A	Purge and Trap Soils GC	12/20/12 11:12 AM	55263
	Cell 17 (5-6')	12/18/12 09:50 AM	Soil	SW5030A	Purge and Trap Soils GC- Gas	12/21/12 09:23 AM	55286
	Cell 17 (5-6')	12/18/12 09:50 AM	Soil	SW3550B	Soil Prep Sonication: TRPH	01/02/13 08:13 AM	55367
1212209-01B	Cell 17 (5-6')	12/18/12 09:50 AM	Soil	SW7471A	Mercury Soil Prep, Total	12/26/12 08:58 AM	55282
	Cell 17 (5-6')	12/18/12 09:50 AM	Soil	D2216	Moisture Preparation	12/27/12 04:25 PM	55346
	Cell 17 (5-6')	12/18/12 09:50 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	12/26/12 08:49 AM	55279
	Cell 17 (5-6')	12/18/12 09:50 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	12/26/12 08:49 AM	55279
1212209-01C	Cell 17 (5-6')	12/18/12 09:50 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	12/26/12 08:49 AM	55279
	Cell 17 (5-6')	12/18/12 09:50 AM	Soil	E300	Anion Prep	12/27/12 08:56 AM	55330
	Cell 17 (5-6')	12/18/12 09:50 AM	Soil	SW3550C	Soil Prep Sonication: DRO	12/27/12 08:33 AM	55324
1212209-02A	Cell 18 (3-4')	12/18/12 10:00 AM	Soil	SW5030A	Purge and Trap Soils GC	12/20/12 11:12 AM	55263
	Cell 18 (3-4')	12/18/12 10:00 AM	Soil	SW5030A	Purge and Trap Soils GC- Gas	12/21/12 09:23 AM	55286
	Cell 18 (3-4')	12/18/12 10:00 AM	Soil	SW3550B	Soil Prep Sonication: TRPH	01/02/13 08:13 AM	55367
1212209-02B	Cell 18 (3-4')	12/18/12 10:00 AM	Soil	SW7471A	Mercury Soil Prep, Total	12/26/12 08:58 AM	55282
	Cell 18 (3-4')	12/18/12 10:00 AM	Soil	D2216	Moisture Preparation	12/27/12 04:25 PM	55346
	Cell 18 (3-4')	12/18/12 10:00 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	12/26/12 08:49 AM	55279
	Cell 18 (3-4')	12/18/12 10:00 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	12/26/12 08:49 AM	55279
1212209-02C	Cell 18 (3-4')	12/18/12 10:00 AM	Soil	E300	Anion Prep	12/27/12 08:56 AM	55330
	Cell 18 (3-4')	12/18/12 10:00 AM	Soil	SW3550C	Soil Prep Sonication: DRO	12/27/12 08:33 AM	55324
1212209-03A	Cell 19 (3-4')	12/18/12 10:10 AM	Soil	SW5030A	Purge and Trap Soils GC	12/20/12 11:12 AM	55263
	Cell 19 (3-4')	12/18/12 10:10 AM	Soil	SW5030A	Purge and Trap Soils GC- Gas	12/21/12 09:23 AM	55286
	Cell 19 (3-4')	12/18/12 10:10 AM	Soil	SW3550B	Soil Prep Sonication: TRPH	01/02/13 08:13 AM	55367
1212209-03B	Cell 19 (3-4')	12/18/12 10:10 AM	Soil	SW7471A	Mercury Soil Prep, Total	12/26/12 08:58 AM	55282
	Cell 19 (3-4')	12/18/12 10:10 AM	Soil	D2216	Moisture Preparation	12/27/12 04:25 PM	55346
	Cell 19 (3-4')	12/18/12 10:10 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	12/26/12 08:49 AM	55279
	Cell 19 (3-4')	12/18/12 10:10 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	12/26/12 08:49 AM	55279
	Cell 19 (3-4')	12/18/12 10:10 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	12/26/12 08:49 AM	55279
1212209-03C	Cell 19 (3-4')	12/18/12 10:10 AM	Soil	E300	Anion Prep	12/27/12 08:56 AM	55330

Lab Order: 1212209
Client: Larson & Associates
Project: Chevron Landfarm

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1212209-03C	Cell 19 (3-4')	12/18/12 10:10 AM	Soil	SW3550C	Soil Prep Sonication: DRO	12/27/12 08:33 AM	55324
	Cell 19 (3-4')	12/18/12 10:10 AM	Soil	SW3550C	Soil Prep Sonication: DRO	12/27/12 08:33 AM	55324
1212209-04A	Cell 20 (3-4')	12/18/12 10:20 AM	Soil	SW5030A	Purge and Trap Soils GC	12/20/12 11:12 AM	55263
	Cell 20 (3-4')	12/18/12 10:20 AM	Soil	SW5030A	Purge and Trap Soils GC- Gas	12/21/12 09:23 AM	55286
	Cell 20 (3-4')	12/18/12 10:20 AM	Soil	SW3550B	Soil Prep Sonication: TRPH	01/02/13 08:13 AM	55367
1212209-04B	Cell 20 (3-4')	12/18/12 10:20 AM	Soil	SW7471A	Mercury Soil Prep, Total	12/26/12 08:58 AM	55282
	Cell 20 (3-4')	12/18/12 10:20 AM	Soil	D2216	Moisture Preparation	12/27/12 04:25 PM	55346
	Cell 20 (3-4')	12/18/12 10:20 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	12/26/12 08:49 AM	55279
	Cell 20 (3-4')	12/18/12 10:20 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	12/26/12 08:49 AM	55279
	Cell 20 (3-4')	12/18/12 10:20 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	12/26/12 08:49 AM	55279
1212209-04C	Cell 20 (3-4')	12/18/12 10:20 AM	Soil	E300	Anion Prep	12/27/12 08:56 AM	55330
	Cell 20 (3-4')	12/18/12 10:20 AM	Soil	SW3550C	Soil Prep Sonication: DRO	12/27/12 08:33 AM	55324
1212209-05A	Cell 21 (3-4')	12/18/12 10:35 AM	Soil	SW5030A	Purge and Trap Soils GC	12/20/12 11:12 AM	55263
	Cell 21 (3-4')	12/18/12 10:35 AM	Soil	SW5030A	Purge and Trap Soils GC- Gas	12/21/12 09:23 AM	55286
	Cell 21 (3-4')	12/18/12 10:35 AM	Soil	SW3550B	Soil Prep Sonication: TRPH	01/02/13 08:13 AM	55367
1212209-05B	Cell 21 (3-4')	12/18/12 10:35 AM	Soil	SW7471A	Mercury Soil Prep, Total	12/26/12 08:58 AM	55282
	Cell 21 (3-4')	12/18/12 10:35 AM	Soil	D2216	Moisture Preparation	12/27/12 04:25 PM	55346
	Cell 21 (3-4')	12/18/12 10:35 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	12/26/12 08:49 AM	55279
	Cell 21 (3-4')	12/18/12 10:35 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	12/26/12 08:49 AM	55279
	Cell 21 (3-4')	12/18/12 10:35 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	12/26/12 08:49 AM	55279
1212209-05C	Cell 21 (3-4')	12/18/12 10:35 AM	Soil	E300	Anion Prep	12/27/12 08:56 AM	55330
	Cell 21 (3-4')	12/18/12 10:35 AM	Soil	SW3550C	Soil Prep Sonication: DRO	12/27/12 08:33 AM	55324
1212209-06A	Cell 26 (3-4')	12/18/12 10:45 AM	Soil	SW5030A	Purge and Trap Soils GC	12/20/12 11:12 AM	55263
	Cell 26 (3-4')	12/18/12 10:45 AM	Soil	SW5030A	Purge and Trap Soils GC- Gas	12/21/12 09:23 AM	55286
	Cell 26 (3-4')	12/18/12 10:45 AM	Soil	SW3550B	Soil Prep Sonication: TRPH	01/02/13 08:13 AM	55367
1212209-06B	Cell 26 (3-4')	12/18/12 10:45 AM	Soil	SW7471A	Mercury Soil Prep, Total	12/26/12 08:58 AM	55282
	Cell 26 (3-4')	12/18/12 10:45 AM	Soil	D2216	Moisture Preparation	12/27/12 04:25 PM	55346
	Cell 26 (3-4')	12/18/12 10:45 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	12/26/12 08:49 AM	55279

Lab Order: 1212209
 Client: Larson & Associates
 Project: Chevron Landfarm

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1212209-06B	Cell 26 (3-4')	12/18/12 10:45 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	12/26/12 08:49 AM	55279
1212209-06C	Cell 26 (3-4')	12/18/12 10:45 AM	Soil	E300	Anion Prep	12/27/12 08:56 AM	55330
	Cell 26 (3-4')	12/18/12 10:45 AM	Soil	SW3550C	Soil Prep Sonication: DRO	12/27/12 08:33 AM	55324
1212209-07A	Cell 25 (3-4')	12/18/12 10:55 AM	Soil	SW5030A	Purge and Trap Soils GC	12/20/12 11:12 AM	55263
	Cell 25 (3-4')	12/18/12 10:55 AM	Soil	SW5030A	Purge and Trap Soils GC- Gas	12/21/12 09:23 AM	55286
	Cell 25 (3-4')	12/18/12 10:55 AM	Soil	SW3550B	Soil Prep Sonication: TRPH	01/02/13 08:13 AM	55367
1212209-07B	Cell 25 (3-4')	12/18/12 10:55 AM	Soil	SW7471A	Mercury Soil Prep, Total	12/26/12 08:58 AM	55282
	Cell 25 (3-4')	12/18/12 10:55 AM	Soil	D2216	Moisture Preparation	12/27/12 04:25 PM	55346
	Cell 25 (3-4')	12/18/12 10:55 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	12/26/12 08:49 AM	55279
	Cell 25 (3-4')	12/18/12 10:55 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	12/26/12 08:49 AM	55279
	Cell 25 (3-4')	12/18/12 10:55 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	12/26/12 08:49 AM	55279
1212209-07C	Cell 25 (3-4')	12/18/12 10:55 AM	Soil	E300	Anion Prep	12/27/12 08:56 AM	55330
	Cell 25 (3-4')	12/18/12 10:55 AM	Soil	SW3550C	Soil Prep Sonication: DRO	12/27/12 08:33 AM	55324
1212209-08A	Cell 17 (0-1')	12/18/12 12:00 PM	Soil	SW5030A	Purge and Trap Soils GC	12/20/12 11:12 AM	55263
	Cell 17 (0-1')	12/18/12 12:00 PM	Soil	SW5030A	Purge and Trap Soils GC- Gas	12/21/12 09:23 AM	55286
	Cell 17 (0-1')	12/18/12 12:00 PM	Soil	SW3550B	Soil Prep Sonication: TRPH	01/02/13 08:13 AM	55367
1212209-08B	Cell 17 (0-1')	12/18/12 12:00 PM	Soil	E300	Anion Prep	12/27/12 08:56 AM	55330
	Cell 17 (0-1')	12/18/12 12:00 PM	Soil	D2216	Moisture Preparation	12/27/12 04:25 PM	55346
1212209-08C	Cell 17 (0-1')	12/18/12 12:00 PM	Soil	SW3550C	Soil Prep Sonication: DRO	12/27/12 08:33 AM	55324
	Cell 17 (0-1')	12/18/12 12:00 PM	Soil	SW3550C	Soil Prep Sonication: DRO	12/27/12 08:33 AM	55324
1212209-09A	Cell 18 (0-1')	12/18/12 12:20 PM	Soil	SW5030A	Purge and Trap Soils GC	12/20/12 11:12 AM	55263
	Cell 18 (0-1')	12/18/12 12:20 PM	Soil	SW5030A	Purge and Trap Soils GC- Gas	12/21/12 09:23 AM	55286
	Cell 18 (0-1')	12/18/12 12:20 PM	Soil	SW3550B	Soil Prep Sonication: TRPH	01/02/13 08:13 AM	55367
1212209-09B	Cell 18 (0-1')	12/18/12 12:20 PM	Soil	E300	Anion Prep	12/27/12 08:56 AM	55330
	Cell 18 (0-1')	12/18/12 12:20 PM	Soil	D2216	Moisture Preparation	12/27/12 04:25 PM	55346
1212209-09C	Cell 18 (0-1')	12/18/12 12:20 PM	Soil	SW3550C	Soil Prep Sonication: DRO	12/27/12 08:33 AM	55324
	Cell 18 (0-1')	12/18/12 12:20 PM	Soil	SW3550C	Soil Prep Sonication: DRO	12/27/12 08:33 AM	55324
1212209-10A	Cell 19 (0-1')	12/18/12 12:35 PM	Soil	SW5030A	Purge and Trap Soils GC	12/20/12 11:12 AM	55263

Lab Order: 1212209
Client: Larson & Associates
Project: Chevron Landfarm

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1212209-10A	Cell 19 (0-1')	12/18/12 12:35 PM	Soil	SW5030A	Purge and Trap Soils GC- Gas	12/21/12 09:23 AM	55286
	Cell 19 (0-1')	12/18/12 12:35 PM	Soil	SW3550B	Soil Prep Sonication: TRPH	01/02/13 08:13 AM	55367
1212209-10B	Cell 19 (0-1')	12/18/12 12:35 PM	Soil	E300	Anion Prep	12/27/12 08:56 AM	55330
	Cell 19 (0-1')	12/18/12 12:35 PM	Soil	D2216	Moisture Preparation	12/27/12 04:25 PM	55346
1212209-10C	Cell 19 (0-1')	12/18/12 12:35 PM	Soil	SW3550C	Soil Prep Sonication: DRO	12/27/12 08:33 AM	55324
1212209-11A	Cell 20 (0-1')	12/18/12 12:55 PM	Soil	SW5030A	Purge and Trap Soils GC	12/20/12 11:12 AM	55263
	Cell 20 (0-1')	12/18/12 12:55 PM	Soil	SW5030A	Purge and Trap Soils GC- Gas	12/21/12 09:23 AM	55286
	Cell 20 (0-1')	12/18/12 12:55 PM	Soil	SW3550B	Soil Prep Sonication: TRPH	01/02/13 08:13 AM	55367
1212209-11B	Cell 20 (0-1')	12/18/12 12:55 PM	Soil	E300	Anion Prep	12/27/12 08:56 AM	55330
	Cell 20 (0-1')	12/18/12 12:55 PM	Soil	D2216	Moisture Preparation	12/28/12	55360
1212209-11C	Cell 20 (0-1')	12/18/12 12:55 PM	Soil	SW3550C	Soil Prep Sonication: DRO	12/27/12 08:33 AM	55324
	Cell 20 (0-1')	12/18/12 12:55 PM	Soil	SW3550C	Soil Prep Sonication: DRO	12/27/12 08:33 AM	55324
1212209-12A	Cell 21 (0-1')	12/18/12 01:15 PM	Soil	SW5030A	Purge and Trap Soils GC	12/20/12 11:12 AM	55263
	Cell 21 (0-1')	12/18/12 01:15 PM	Soil	SW5030A	Purge and Trap Soils GC- Gas	12/21/12 09:23 AM	55286
	Cell 21 (0-1')	12/18/12 01:15 PM	Soil	SW3550B	Soil Prep Sonication: TRPH	01/02/13 08:13 AM	55367
1212209-12B	Cell 21 (0-1')	12/18/12 01:15 PM	Soil	E300	Anion Prep	12/27/12 08:56 AM	55330
	Cell 21 (0-1')	12/18/12 01:15 PM	Soil	D2216	Moisture Preparation	12/28/12	55360
1212209-12C	Cell 21 (0-1')	12/18/12 01:15 PM	Soil	SW3550C	Soil Prep Sonication: DRO	12/27/12 08:33 AM	55324
	Cell 21 (0-1')	12/18/12 01:15 PM	Soil	SW3550C	Soil Prep Sonication: DRO	12/27/12 08:33 AM	55324
1212209-13A	Cell 26 (0-1')	12/18/12 01:35 PM	Soil	SW5030A	Purge and Trap Soils GC	12/20/12 11:12 AM	55263
	Cell 26 (0-1')	12/18/12 01:35 PM	Soil	SW5030A	Purge and Trap Soils GC- Gas	12/21/12 09:23 AM	55286
	Cell 26 (0-1')	12/18/12 01:35 PM	Soil	SW3550B	Soil Prep Sonication: TRPH	01/02/13 08:13 AM	55367
1212209-13B	Cell 26 (0-1')	12/18/12 01:35 PM	Soil	E300	Anion Prep	12/27/12 08:56 AM	55330
	Cell 26 (0-1')	12/18/12 01:35 PM	Soil	D2216	Moisture Preparation	12/28/12	55360
1212209-13C	Cell 26 (0-1')	12/18/12 01:35 PM	Soil	SW3550C	Soil Prep Sonication: DRO	12/27/12 08:33 AM	55324
1212209-14A	Cell 25 (0-1')	12/18/12 01:50 PM	Soil	SW5030A	Purge and Trap Soils GC	12/20/12 11:12 AM	55263
	Cell 25 (0-1')	12/18/12 01:50 PM	Soil	SW5030A	Purge and Trap Soils GC- Gas	12/21/12 09:23 AM	55286
	Cell 25 (0-1')	12/18/12 01:50 PM	Soil	SW3550B	Soil Prep Sonication: TRPH	01/02/13 08:13 AM	55367

Lab Order: 1212209
 Client: Larson & Associates
 Project: Chevron Landfarm

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1212209-14B	Cell 25 (0-1')	12/18/12 01:50 PM	Soil	E300	Anion Prep	12/27/12 08:56 AM	55330
	Cell 25 (0-1')	12/18/12 01:50 PM	Soil	D2216	Moisture Preparation	12/28/12	55360
1212209-14C	Cell 25 (0-1')	12/18/12 01:50 PM	Soil	SW3550C	Soil Prep Sonication: DRO	12/27/12 08:33 AM	55324
	Cell 25 (0-1')	12/18/12 01:50 PM	Soil	SW3550C	Soil Prep Sonication: DRO	12/27/12 08:33 AM	55324
1212209-15A	Dup (0-1')	12/18/12	Soil	SW5030A	Purge and Trap Soils GC	12/20/12 11:12 AM	55263
	Dup (0-1')	12/18/12	Soil	SW5030A	Purge and Trap Soils GC- Gas	12/21/12 09:23 AM	55286
	Dup (0-1')	12/18/12	Soil	SW3550B	Soil Prep Sonication: TRPH	01/02/13 08:13 AM	55367
1212209-15B	Dup (0-1')	12/18/12	Soil	E300	Anion Prep	12/27/12 08:56 AM	55330
	Dup (0-1')	12/18/12	Soil	D2216	Moisture Preparation	12/28/12	55360
1212209-15C	Dup (0-1')	12/18/12	Soil	SW3550C	Soil Prep Sonication: DRO	12/27/12 08:33 AM	55324
	Dup (0-1')	12/18/12	Soil	SW3550C	Soil Prep Sonication: DRO	12/27/12 08:33 AM	55324

Lab Order: 1212209
Client: Larson & Associates
Project: Chevron Landfarm

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1212209-01A	Cell 17 (5-6')	Soil	M8015V	TPH Purgeable by GC - Soil	55286	1	12/21/12 11:04 AM	GC4_121221A
	Cell 17 (5-6')	Soil	E418.1	TRPH	55367	1	01/02/13 10:15 AM	IR207_130102A
	Cell 17 (5-6')	Soil	SW8021B	Volatile Organics by GC	55263	1	12/20/12 01:18 PM	GC4_121220A
1212209-01B	Cell 17 (5-6')	Soil	D2216	Percent Moisture	55346	1	12/28/12 08:35 AM	PMOIST_121227B
	Cell 17 (5-6')	Soil	SW7471B	Total Mercury: Soil/Solid	55282	1	12/27/12 12:16 PM	CETAC_HG_121227A
	Cell 17 (5-6')	Soil	SW6020A	Trace Metals: ICP-MS - Solid	55279	5	12/26/12 08:13 PM	ICP-MS2_121226A
	Cell 17 (5-6')	Soil	SW6020A	Trace Metals: ICP-MS - Solid	55279	25	12/27/12 08:32 PM	ICP-MS2_121227C
1212209-01C	Cell 17 (5-6')	Soil	SW6020A	Trace Metals: ICP-MS - Solid	55279	5	12/28/12 02:03 AM	ICP-MS2_121227C
	Cell 17 (5-6')	Soil	E300	Anions by IC method - Soil	55330	1	12/27/12 10:44 AM	IC_121227A
	Cell 17 (5-6')	Soil	M8015D	TPH Extractable by GC - Soil	55324	1	12/27/12 06:38 PM	GC15_121227A
1212209-02A	Cell 18 (3-4')	Soil	M8015V	TPH Purgeable by GC - Soil	55286	1	12/21/12 11:29 AM	GC4_121221A
	Cell 18 (3-4')	Soil	E418.1	TRPH	55367	1	01/02/13 10:15 AM	IR207_130102A
	Cell 18 (3-4')	Soil	SW8021B	Volatile Organics by GC	55263	1	12/20/12 01:44 PM	GC4_121220A
1212209-02B	Cell 18 (3-4')	Soil	D2216	Percent Moisture	55346	1	12/28/12 08:35 AM	PMOIST_121227B
	Cell 18 (3-4')	Soil	SW7471B	Total Mercury: Soil/Solid	55282	1	12/27/12 12:30 PM	CETAC_HG_121227A
	Cell 18 (3-4')	Soil	SW6020A	Trace Metals: ICP-MS - Solid	55279	5	12/26/12 08:25 PM	ICP-MS2_121226A
	Cell 18 (3-4')	Soil	SW6020A	Trace Metals: ICP-MS - Solid	55279	5	12/27/12 08:44 PM	ICP-MS2_121227C
1212209-02C	Cell 18 (3-4')	Soil	E300	Anions by IC method - Soil	55330	1	12/27/12 11:28 AM	IC_121227A
	Cell 18 (3-4')	Soil	M8015D	TPH Extractable by GC - Soil	55324	1	12/27/12 06:47 PM	GC15_121227A
1212209-03A	Cell 19 (3-4')	Soil	M8015V	TPH Purgeable by GC - Soil	55286	1	12/21/12 11:55 AM	GC4_121221A
	Cell 19 (3-4')	Soil	F418.1	TRPH	55367	1	01/02/13 10:15 AM	IR207_130102A
	Cell 19 (3-4')	Soil	SW8021B	Volatile Organics by GC	55263	1	12/20/12 02:10 PM	GC4_121220A
1212209-03B	Cell 19 (3-4')	Soil	D2216	Percent Moisture	55346	1	12/28/12 08:35 AM	PMOIST_121227B
	Cell 19 (3-4')	Soil	SW7471B	Total Mercury: Soil/Solid	55282	1	12/27/12 12:33 PM	CETAC_HG_121227A
	Cell 19 (3-4')	Soil	SW6020A	Trace Metals: ICP-MS - Solid	55279	5	12/26/12 08:31 PM	ICP-MS2_121226A
	Cell 19 (3-4')	Soil	SW6020A	Trace Metals: ICP-MS - Solid	55279	25	12/27/12 08:50 PM	ICP-MS2_121227C
	Cell 19 (3-4')	Soil	SW6020A	Trace Metals: ICP-MS - Solid	55279	5	12/27/12 09:20 PM	ICP-MS2_121227C
1212209-03C	Cell 19 (3-4')	Soil	E300	Anions by IC method - Soil	55330	1	12/27/12 11:42 AM	IC_121227A

Lab Order: 1212209
 Client: Larson & Associates
 Project: Chevron Landfarm

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1212209-03C	Cell 19 (3-4')	Soil	M8015D	TPH Extractable by GC - Soil	55324	1	01/02/13 05:54 PM	GC15_121227A
	Cell 19 (3-4')	Soil	M8015D	TPH Extractable by GC - Soil	55324	1	12/27/12 07:05 PM	GC15_121227A
1212209-04A	Cell 20 (3-4')	Soil	M8015V	TPH Purgeable by GC - Soil	55286	1	12/21/12 12:21 PM	GC4_121221A
	Cell 20 (3-4')	Soil	E418.1	TRPH	55367	1	01/02/13 10:15 AM	IR207_130102A
	Cell 20 (3-4')	Soil	SW8021B	Volatile Organics by GC	55263	1	12/20/12 02:36 PM	GC4_121220A
1212209-04B	Cell 20 (3-4')	Soil	D2216	Percent Moisture	55346	1	12/28/12 08:35 AM	PMOIST_121227B
	Cell 20 (3-4')	Soil	SW7471B	Total Mercury: Soil/Solid	55282	1	12/27/12 12:37 PM	CETAC_HG_121227A
	Cell 20 (3-4')	Soil	SW6020A	Trace Metals: ICP-MS - Solid	55279	5	12/28/12 02:14 AM	ICP-MS2_121227C
	Cell 20 (3-4')	Soil	SW6020A	Trace Metals: ICP-MS - Solid	55279	5	12/26/12 08:37 PM	ICP-MS2_121226A
	Cell 20 (3-4')	Soil	SW6020A	Trace Metals: ICP-MS - Solid	55279	25	12/27/12 08:56 PM	ICP-MS2_121227C
1212209-04C	Cell 20 (3-4')	Soil	E300	Anions by IC method - Soil	55330	1	12/27/12 11:57 AM	IC_121227A
	Cell 20 (3-4')	Soil	M8015D	TPH Extractable by GC - Soil	55324	1	12/27/12 07:41 PM	GC15_121227A
1212209-05A	Cell 21 (3-4')	Soil	M8015V	TPH Purgeable by GC - Soil	55286	1	12/21/12 12:46 PM	GC4_121221A
	Cell 21 (3-4')	Soil	E418.1	TRPH	55367	1	01/02/13 10:15 AM	IR207_130102A
	Cell 21 (3-4')	Soil	SW8021B	Volatile Organics by GC	55263	1	12/20/12 03:03 PM	GC4_121220A
1212209-05B	Cell 21 (3-4')	Soil	D2216	Percent Moisture	55346	1	12/28/12 08:35 AM	PMOIST_121227B
	Cell 21 (3-4')	Soil	SW7471B	Total Mercury: Soil/Solid	55282	1	12/27/12 12:39 PM	CETAC_HG_121227A
	Cell 21 (3-4')	Soil	SW6020A	Trace Metals: ICP-MS - Solid	55279	5	12/28/12 02:20 AM	ICP-MS2_121227C
	Cell 21 (3-4')	Soil	SW6020A	Trace Metals: ICP-MS - Solid	55279	5	12/26/12 08:43 PM	ICP-MS2_121226A
	Cell 21 (3-4')	Soil	SW6020A	Trace Metals: ICP-MS - Solid	55279	25	12/27/12 09:02 PM	ICP-MS2_121227C
1212209-05C	Cell 21 (3-4')	Soil	E300	Anions by IC method - Soil	55330	1	12/27/12 12:12 PM	IC_121227A
	Cell 21 (3-4')	Soil	M8015D	TPH Extractable by GC - Soil	55324	1	12/27/12 08:17 PM	GC15_121227A
1212209-06A	Cell 26 (3-4')	Soil	M8015V	TPH Purgeable by GC - Soil	55286	1	12/21/12 01:11 PM	GC4_121221A
	Cell 26 (3-4')	Soil	E418.1	TRPH	55367	1	01/02/13 10:15 AM	IR207_130102A
	Cell 26 (3-4')	Soil	SW8021B	Volatile Organics by GC	55263	1	12/20/12 03:28 PM	GC4_121220A
1212209-06B	Cell 26 (3-4')	Soil	D2216	Percent Moisture	55346	1	12/28/12 08:35 AM	PMOIST_121227B
	Cell 26 (3-4')	Soil	SW7471B	Total Mercury: Soil/Solid	55282	1	12/27/12 12:41 PM	CETAC_HG_121227A
	Cell 26 (3-4')	Soil	SW6020A	Trace Metals: ICP-MS - Solid	55279	5	12/26/12 08:49 PM	ICP-MS2_121226A

Lab Order: 1212209
Client: Larson & Associates
Project: Chevron Landfarm

ANALYTICAL DATA REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1212209-06B	Cell 26 (3-4')	Soil	SW6020A	Trace Metals: ICP-MS - Solid	55279	5	12/27/12 09:08 PM	ICP-MS2_121227C
1212209-06C	Cell 26 (3-4')	Soil	E300	Anions by IC method - Soil	55330	1	12/27/12 12:42 PM	IC_121227A
	Cell 26 (3-4')	Soil	M8015D	TPH Extractable by GC - Soil	55324	1	12/27/12 07:50 PM	GC15_121227A
1212209-07A	Cell 25 (3-4')	Soil	M8015V	TPH Purgeable by GC - Soil	55286	1	12/21/12 01:35 PM	GC4_121221A
	Cell 25 (3-4')	Soil	E418.1	TRPH	55367	1	01/02/13 10:15 AM	IR207_130102A
	Cell 25 (3-4')	Soil	SW8021B	Volatile Organics by GC	55263	1	12/20/12 03:52 PM	GC4_121220A
1212209-07B	Cell 25 (3-4')	Soil	D2216	Percent Moisture	55346	1	12/28/12 08:35 AM	PMOIST_121227B
	Cell 25 (3-4')	Soil	SW7471B	Total Mercury: Soil/Solid	55282	1	12/27/12 12:43 PM	CETAC_HG_121227A
	Cell 25 (3-4')	Soil	SW6020A	Trace Metals: ICP-MS - Solid	55279	5	12/26/12 08:55 PM	ICP-MS2_121226A
	Cell 25 (3-4')	Soil	SW6020A	Trace Metals: ICP-MS - Solid	55279	50	12/27/12 09:14 PM	ICP-MS2_121227C
	Cell 25 (3-4')	Soil	SW6020A	Trace Metals: ICP-MS - Solid	55279	5	12/28/12 02:26 AM	ICP-MS2_121227C
1212209-07C	Cell 25 (3-4')	Soil	E300	Anions by IC method - Soil	55330	1	12/27/12 12:57 PM	IC_121227A
	Cell 25 (3-4')	Soil	M8015D	TPH Extractable by GC - Soil	55324	1	12/27/12 07:59 PM	GC15_121227A
1212209-08A	Cell 17 (0-1')	Soil	M8015V	TPH Purgeable by GC - Soil	55286	1	12/21/12 02:01 PM	GC4_121221A
	Cell 17 (0-1')	Soil	E418.1	TRPH	55367	1	01/02/13 10:15 AM	IR207_130102A
	Cell 17 (0-1')	Soil	SW8021B	Volatile Organics by GC	55263	1	12/20/12 04:17 PM	GC4_121220A
1212209-08B	Cell 17 (0-1')	Soil	E300	Anions by IC method - Soil	55330	1	12/27/12 01:12 PM	IC_121227A
	Cell 17 (0-1')	Soil	D2216	Percent Moisture	55346	1	12/28/12 08:35 AM	PMOIST_121227B
1212209-08C	Cell 17 (0-1')	Soil	M8015D	TPH Extractable by GC - Soil	55324	1	01/02/13 08:17 PM	GC15_121227A
	Cell 17 (0-1')	Soil	M8015D	TPH Extractable by GC - Soil	55324	1	12/27/12 08:43 PM	GC15_121227A
1212209-09A	Cell 18 (0-1')	Soil	M8015V	TPH Purgeable by GC - Soil	55286	1	12/21/12 02:26 PM	GC4_121221A
	Cell 18 (0-1')	Soil	E418.1	TRPH	55367	1	01/02/13 10:15 AM	IR207_130102A
	Cell 18 (0-1')	Soil	SW8021B	Volatile Organics by GC	55263	1	12/20/12 04:43 PM	GC4_121220A
1212209-09B	Cell 18 (0-1')	Soil	E300	Anions by IC method - Soil	55330	1	12/27/12 01:26 PM	IC_121227A
	Cell 18 (0-1')	Soil	D2216	Percent Moisture	55346	1	12/28/12 08:35 AM	PMOIST_121227B
1212209-09C	Cell 18 (0-1')	Soil	M8015D	TPH Extractable by GC - Soil	55324	1	12/27/12 09:01 PM	GC15_121227A
	Cell 18 (0-1')	Soil	M8015D	TPH Extractable by GC - Soil	55324	1	01/02/13 08:35 PM	GC15_121227A
1212209-10A	Cell 19 (0-1')	Soil	M8015V	TPH Purgeable by GC - Soil	55286	1	12/21/12 02:52 PM	GC4_121221A

Lab Order: 1212209
Client: Larson & Associates
Project: Chevron Landfarm

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1212209-10A	Cell 19 (0-1')	Soil	E418.1	TRPH	55367	1	01/02/13 10:15 AM	IR207_130102A
	Cell 19 (0-1')	Soil	SW8021B	Volatile Organics by GC	55263	1	12/20/12 05:06 PM	GC4_121220A
1212209-10B	Cell 19 (0-1')	Soil	E300	Anions by IC method - Soil	55330	1	12/27/12 01:41 PM	IC_121227A
	Cell 19 (0-1')	Soil	D2216	Percent Moisture	55346	1	12/28/12 08:35 AM	PMOIST_121227B
1212209-10C	Cell 19 (0-1')	Soil	M8015D	TPH Extractable by GC - Soil	55324	1	12/27/12 09:37 PM	GC15_121227A
1212209-11A	Cell 20 (0-1')	Soil	M8015V	TPH Purgeable by GC - Soil	55286	1	12/21/12 04:07 PM	GC4_121221A
	Cell 20 (0-1')	Soil	E418.1	TRPH	55367	1	01/02/13 10:15 AM	IR207_130102A
	Cell 20 (0-1')	Soil	SW8021B	Volatile Organics by GC	55263	1	12/20/12 06:24 PM	GC4_121220A
1212209-11B	Cell 20 (0-1')	Soil	E300	Anions by IC method - Soil	55330	1	12/27/12 01:57 PM	IC_121227A
	Cell 20 (0-1')	Soil	D2216	Percent Moisture	55360	1	01/02/12 08:55 AM	PMOIST_121228A
1212209-11C	Cell 20 (0-1')	Soil	M8015D	TPH Extractable by GC - Soil	55324	1	12/27/12 09:55 PM	GC15_121227A
	Cell 20 (0-1')	Soil	M8015D	TPH Extractable by GC - Soil	55324	1	01/02/13 07:41 PM	GC15_121227A
1212209-12A	Cell 21 (0-1')	Soil	M8015V	TPH Purgeable by GC - Soil	55286	1	12/21/12 04:33 PM	GC4_121221A
	Cell 21 (0-1')	Soil	E418.1	TRPH	55367	1	01/02/13 10:15 AM	IR207_130102A
	Cell 21 (0-1')	Soil	SW8021B	Volatile Organics by GC	55263	1	12/20/12 06:50 PM	GC4_121220A
1212209-12B	Cell 21 (0-1')	Soil	E300	Anions by IC method - Soil	55330	1	12/27/12 02:11 PM	IC_121227A
	Cell 21 (0-1')	Soil	D2216	Percent Moisture	55360	1	01/02/12 08:55 AM	PMOIST_121228A
1212209-12C	Cell 21 (0-1')	Soil	M8015D	TPH Extractable by GC - Soil	55324	1	12/28/12 12:01 AM	GC15_121227A
	Cell 21 (0-1')	Soil	M8015D	TPH Extractable by GC - Soil	55324	1	01/02/13 09:38 PM	GC15_121227A
1212209-13A	Cell 26 (0-1')	Soil	M8015V	TPH Purgeable by GC - Soil	55286	1	12/21/12 04:59 PM	GC4_121221A
	Cell 26 (0-1')	Soil	E418.1	TRPH	55367	1	01/02/13 10:15 AM	IR207_130102A
	Cell 26 (0-1')	Soil	SW8021B	Volatile Organics by GC	55263	1	12/20/12 07:15 PM	GC4_121220A
1212209-13B	Cell 26 (0-1')	Soil	E300	Anions by IC method - Soil	55330	1	12/27/12 02:26 PM	IC_121227A
	Cell 26 (0-1')	Soil	D2216	Percent Moisture	55360	1	01/02/12 08:55 AM	PMOIST_121228A
1212209-13C	Cell 26 (0-1')	Soil	M8015D	TPH Extractable by GC - Soil	55324	1	12/27/12 08:08 PM	GC15_121227A
1212209-14A	Cell 25 (0-1')	Soil	M8015V	TPH Purgeable by GC - Soil	55286	1	12/21/12 05:25 PM	GC4_121221A
	Cell 25 (0-1')	Soil	E418.1	TRPH	55367	1	01/02/13 10:15 AM	IR207_130102A
	Cell 25 (0-1')	Soil	SW8021B	Volatile Organics by GC	55263	1	12/20/12 07:41 PM	GC4_121220A

Lab Order: 1212209
 Client: Larson & Associates
 Project: Chevron Landfarm

ANALYTICAL DATA REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1212209-14B	Cell 25 (0-1')	Soil	E300	Anions by IC method - Soil	55330	1	12/27/12 02:41 PM	IC_121227A
	Cell 25 (0-1')	Soil	D2216	Percent Moisture	55360	1	01/02/12 08:55 AM	PMOIST_121228A
1212209-14C	Cell 25 (0-1')	Soil	M8015D	TPH Extractable by GC - Soil	55324	1	12/27/12 10:13 PM	GC15_121227A
	Cell 25 (0-1')	Soil	M8015D	TPH Extractable by GC - Soil	55324	1	01/02/13 07:59 PM	GC15_121227A
1212209-15A	Dup (0-1')	Soil	M8015V	TPH Purgeable by GC - Soil	55286	1	12/21/12 05:51 PM	GC4_121221A
	Dup (0-1')	Soil	E418.1	TRPH	55367	1	01/02/13 10:15 AM	IR207_130102A
	Dup (0-1')	Soil	SW8021B	Volatile Organics by GC	55263	1	12/20/12 08:07 PM	GC4_121220A
1212209-15B	Dup (0-1')	Soil	E300	Anions by IC method - Soil	55330	1	12/27/12 02:55 PM	IC_121227A
	Dup (0-1')	Soil	D2216	Percent Moisture	55360	1	01/02/12 08:55 AM	PMOIST_121228A
1212209-15C	Dup (0-1')	Soil	M8015D	TPH Extractable by GC - Soil	55324	1	01/02/13 09:56 PM	GC15_121227A
	Dup (0-1')	Soil	M8015D	TPH Extractable by GC - Soil	55324	1	12/27/12 11:07 PM	GC15_121227A

DHL Analytical, Inc.

Date: 04-Jan-13

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1212209

Client Sample ID: Cell 17 (5-6')
Lab ID: 1212209-01
Collection Date: 12/18/12 09:50 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL							
		M8015D					Analyst: DO
TPH-DRO C10-C28	ND	10.5	10.5		mg/Kg-dry	1	12/27/12 06:38 PM
Surr: Isopropylbenzene	69.8	0	47-142		%REC	1	12/27/12 06:38 PM
Surr: Octacosane	99.8	0	25-162		%REC	1	12/27/12 06:38 PM
TPH PURGEABLE BY GC - SOIL							
		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.105	0.210		mg/Kg-dry	1	12/21/12 11:04 AM
Surr: Tetrachlorethene	101	0	70-134		%REC	1	12/21/12 11:04 AM
VOLATILE ORGANICS BY GC							
		SW8021B					Analyst: DEW
Benzene	ND	0.00335	0.00558		mg/Kg-dry	1	12/20/12 01:18 PM
Ethylbenzene	ND	0.00558	0.0167		mg/Kg-dry	1	12/20/12 01:18 PM
Toluene	ND	0.00558	0.0167		mg/Kg-dry	1	12/20/12 01:18 PM
Xylenes, Total	ND	0.00558	0.0167		mg/Kg-dry	1	12/20/12 01:18 PM
Surr: Tetrachloroethene	88.9	0	79-135		%REC	1	12/20/12 01:18 PM
TOTAL MERCURY: SOIL/SOLID							
		SW7471B					Analyst: LM
Mercury	ND	0.0163	0.0407		mg/Kg-dry	1	12/27/12 12:16 PM
TRACE METALS: ICP-MS - SOLID							
		SW6020A					Analyst: SW
Arsenic	5.50	0.547	1.09		mg/Kg-dry	5	12/26/12 08:13 PM
Barium	417	0.547	2.19		mg/Kg-dry	5	12/28/12 02:03 AM
Cadmium	0.157	0.109	0.328	J	mg/Kg-dry	5	12/28/12 02:03 AM
Chromium	4.56	0.547	2.19		mg/Kg-dry	5	12/26/12 08:13 PM
Copper	4.06	0.547	2.19		mg/Kg-dry	5	12/26/12 08:13 PM
Iron	3310	68.4	68.4		mg/Kg-dry	25	12/27/12 08:32 PM
Lead	2.15	0.109	0.328		mg/Kg-dry	5	12/28/12 02:03 AM
Manganese	42.7	0.547	2.19		mg/Kg-dry	5	12/26/12 08:13 PM
Selenium	0.679	0.164	0.547		mg/Kg-dry	5	12/28/12 02:03 AM
Silver	ND	0.109	0.219		mg/Kg-dry	5	12/28/12 02:03 AM
Zinc	8.78	1.09	2.74		mg/Kg-dry	5	12/28/12 02:03 AM
TRPH							
		E418.1					Analyst: JBC
Petroleum Hydrocarbons, TR	ND	5.69	11.4	N	mg/Kg-dry	1	01/02/13 10:15 AM
ANIONS BY IC METHOD - SOIL							
		E300					Analyst: JBC
Chloride	112	5.63	5.63		mg/Kg-dry	1	12/27/12 10:44 AM
PERCENT MOISTURE							
		D2216					Analyst: MK
Percent Moisture	12.2	0	0		WT%	1	12/28/12 08:35 AM

Qualifiers:

- * Value exceeds TCLP Maximum Concentration Level
- C Sample Result or QC discussed in the Case Narrative
- E TPH pattern not Gas or Diesel Range Pattern
- MDL Method Detection Limit
- RL Reporting Limit
- N Parameter not NELAC certified

- B Analyte detected in the associated Method Blank
- DF Dilution Factor
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- S Spike Recovery outside control limits

DHL Analytical, Inc.

Date: 04-Jan-13

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1212209

Client Sample ID: Cell 18 (3-4')
Lab ID: 1212209-02
Collection Date: 12/18/12 10:00 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL							
		M8015D					Analyst: DO
TPH-DRO C10-C28	ND	11.0	11.0		mg/Kg-dry	1	12/27/12 06:47 PM
Surr: Isopropylbenzene	67.2	0	47-142		%REC	1	12/27/12 06:47 PM
Surr: Octacosane	98.4	0	25-162		%REC	1	12/27/12 06:47 PM
TPH PURGEABLE BY GC - SOIL							
		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.107	0.214		mg/Kg-dry	1	12/21/12 11:29 AM
Surr: Tetrachlorethene	105	0	70-134		%REC	1	12/21/12 11:29 AM
VOLATILE ORGANICS BY GC							
		SW8021B					Analyst: DEW
Benzene	ND	0.00306	0.00510		mg/Kg-dry	1	12/20/12 01:44 PM
Ethylbenzene	ND	0.00510	0.0153		mg/Kg-dry	1	12/20/12 01:44 PM
Toluene	ND	0.00510	0.0153		mg/Kg-dry	1	12/20/12 01:44 PM
Xylenes, Total	ND	0.00510	0.0153		mg/Kg-dry	1	12/20/12 01:44 PM
Surr: Tetrachloroethene	93.3	0	79-135		%REC	1	12/20/12 01:44 PM
TOTAL MERCURY: SOIL/SOLID							
		SW7471B					Analyst: LM
Mercury	ND	0.0172	0.0429		mg/Kg-dry	1	12/27/12 12:30 PM
TRACE METALS: ICP-MS - SOLID							
		SW6020A					Analyst: SW
Arsenic	4.22	0.500	0.999		mg/Kg-dry	5	12/26/12 08:25 PM
Barium	324	0.500	2.00		mg/Kg-dry	5	12/27/12 08:44 PM
Cadmium	0.169	0.0999	0.300	J	mg/Kg-dry	5	12/27/12 08:44 PM
Chromium	3.81	0.500	2.00		mg/Kg-dry	5	12/26/12 08:25 PM
Copper	5.64	0.500	2.00		mg/Kg-dry	5	12/26/12 08:25 PM
Iron	2610	12.5	12.5		mg/Kg-dry	5	12/26/12 08:25 PM
Lead	2.18	0.0999	0.300		mg/Kg-dry	5	12/27/12 08:44 PM
Manganese	38.6	0.500	2.00		mg/Kg-dry	5	12/26/12 08:25 PM
Selenium	0.698	0.150	0.500		mg/Kg-dry	5	12/27/12 08:44 PM
Silver	ND	0.0999	0.200		mg/Kg-dry	5	12/27/12 08:44 PM
Zinc	8.47	0.999	2.50		mg/Kg-dry	5	12/27/12 08:44 PM
TRPH							
		E418.1					Analyst: JBC
Petroleum Hydrocarbons, TR	ND	5.65	11.3	N	mg/Kg-dry	1	01/02/13 10:15 AM
ANIONS BY IC METHOD - SOIL							
		E300					Analyst: JBC
Chloride	136	5.65	5.65		mg/Kg-dry	1	12/27/12 11:28 AM
PERCENT MOISTURE							
		D2216					Analyst: MK
Percent Moisture	11.4	0	0		WT%	1	12/28/12 08:35 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 04-Jan-13

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1212209

Client Sample ID: Cell 19 (3-4')
Lab ID: 1212209-03
Collection Date: 12/18/12 10:10 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL							
		M8015D					Analyst: DO
TPH-DRO C10-C28	ND	12.8	12.8		mg/Kg-dry	1	12/27/12 07:05 PM
Surr: Isopropylbenzene	74.5	0	47-142		%REC	1	12/27/12 07:05 PM
Surr: Octacosane	108	0	25-162		%REC	1	12/27/12 07:05 PM
TPH PURGEABLE BY GC - SOIL							
		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.119	0.237		mg/Kg-dry	1	12/21/12 11:55 AM
Surr: Tetrachlorethene	102	0	70-134		%REC	1	12/21/12 11:55 AM
VOLATILE ORGANICS BY GC							
		SW8021B					Analyst: DEW
Benzene	ND	0.00387	0.00645		mg/Kg-dry	1	12/20/12 02:10 PM
Ethylbenzene	ND	0.00645	0.0193		mg/Kg-dry	1	12/20/12 02:10 PM
Toluene	ND	0.00645	0.0193		mg/Kg-dry	1	12/20/12 02:10 PM
Xylenes, Total	ND	0.00645	0.0193		mg/Kg-dry	1	12/20/12 02:10 PM
Surr: Tetrachloroethene	91.3	0	79-135		%REC	1	12/20/12 02:10 PM
TOTAL MERCURY: SOIL/SOLID							
		SW7471B					Analyst: LM
Mercury	ND	0.0111	0.0278		mg/Kg-dry	1	12/27/12 12:33 PM
TRACE METALS: ICP-MS - SOLID							
		SW6020A					Analyst: SW
Arsenic	2.09	0.307	0.614		mg/Kg-dry	5	12/26/12 08:31 PM
Barium	165	0.307	1.23		mg/Kg-dry	5	12/27/12 09:20 PM
Cadmium	0.150	0.0614	0.184	J	mg/Kg-dry	5	12/27/12 09:20 PM
Chromium	4.38	0.307	1.23		mg/Kg-dry	5	12/26/12 08:31 PM
Copper	3.35	0.307	1.23		mg/Kg-dry	5	12/26/12 08:31 PM
Iron	3300	38.4	38.4		mg/Kg-dry	25	12/27/12 08:50 PM
Lead	2.15	0.0614	0.184		mg/Kg-dry	5	12/27/12 09:20 PM
Manganese	39.1	0.307	1.23		mg/Kg-dry	5	12/26/12 08:31 PM
Selenium	0.554	0.0921	0.307		mg/Kg-dry	5	12/27/12 09:20 PM
Silver	ND	0.0614	0.123		mg/Kg-dry	5	12/27/12 09:20 PM
Zinc	8.40	0.614	1.54		mg/Kg-dry	5	12/27/12 09:20 PM
TRPH							
		E418.1					Analyst: JBC
Petroleum Hydrocarbons, TR	ND	6.54	13.1	N	mg/Kg-dry	1	01/02/13 10:15 AM
ANIONS BY IC METHOD - SOIL							
		E300					Analyst: JBC
Chloride	28.3	6.51	6.51		mg/Kg-dry	1	12/27/12 11:42 AM
PERCENT MOISTURE							
		D2216					Analyst: MK
Percent Moisture	24.3	0	0		WT%	1	12/28/12 08:35 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 04-Jan-13

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1212209

Client Sample ID: Cell 20 (3-4')
Lab ID: 1212209-04
Collection Date: 12/18/12 10:20 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL		M8015D					Analyst: DO
TPH-DRO C10-C28	ND	10.3	10.3		mg/Kg-dry	1	12/27/12 07:41 PM
Surr: Isopropylbenzene	70.7	0	47-142		%REC	1	12/27/12 07:41 PM
Surr: Octacosane	100	0	25-162		%REC	1	12/27/12 07:41 PM
TPH PURGEABLE BY GC - SOIL		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.0978	0.196		mg/Kg-dry	1	12/21/12 12:21 PM
Surr: Tetrachlorethene	105	0	70-134		%REC	1	12/21/12 12:21 PM
VOLATILE ORGANICS BY GC		SW8021B					Analyst: DEW
Benzene	ND	0.00299	0.00499		mg/Kg-dry	1	12/20/12 02:36 PM
Ethylbenzene	ND	0.00499	0.0150		mg/Kg-dry	1	12/20/12 02:36 PM
Toluene	ND	0.00499	0.0150		mg/Kg-dry	1	12/20/12 02:36 PM
Xylenes, Total	ND	0.00499	0.0150		mg/Kg-dry	1	12/20/12 02:36 PM
Surr: Tetrachloroethene	93.8	0	79-135		%REC	1	12/20/12 02:36 PM
TOTAL MERCURY: SOIL/SOLID		SW7471B					Analyst: LM
Mercury	ND	0.0161	0.0402		mg/Kg-dry	1	12/27/12 12:37 PM
TRACE METALS: ICP-MS - SOLID		SW6020A					Analyst: SW
Arsenic	4.42	0.506	1.01		mg/Kg-dry	5	12/26/12 08:37 PM
Barium	311	0.506	2.02		mg/Kg-dry	5	12/28/12 02:14 AM
Cadmium	0.197	0.101	0.304	J	mg/Kg-dry	5	12/28/12 02:14 AM
Chromium	5.02	0.506	2.02		mg/Kg-dry	5	12/26/12 08:37 PM
Copper	2.41	0.506	2.02		mg/Kg-dry	5	12/26/12 08:37 PM
Iron	3800	63.3	63.3		mg/Kg-dry	25	12/27/12 08:56 PM
Lead	2.78	0.101	0.304		mg/Kg-dry	5	12/28/12 02:14 AM
Manganese	46.3	0.506	2.02		mg/Kg-dry	5	12/26/12 08:37 PM
Selenium	1.07	0.152	0.506		mg/Kg-dry	5	12/28/12 02:14 AM
Silver	ND	0.101	0.202		mg/Kg-dry	5	12/28/12 02:14 AM
Zinc	9.04	1.01	2.53		mg/Kg-dry	5	12/28/12 02:14 AM
TRPH		E418.1					Analyst: JBC
Petroleum Hydrocarbons, TR	ND	5.41	10.8	N	mg/Kg-dry	1	01/02/13 10:15 AM
ANIONS BY IC METHOD - SOIL		E300					Analyst: JBC
Chloride	41.2	5.27	5.27		mg/Kg-dry	1	12/27/12 11:57 AM
PERCENT MOISTURE		D2216					Analyst: MK
Percent Moisture	7.69	0	0		WT%	1	12/28/12 08:35 AM

Qualifiers:

- * Value exceeds TCLP Maximum Concentration Level
- C Sample Result or QC discussed in the Case Narrative
- E TPH pattern not Gas or Diesel Range Pattern
- MDL Method Detection Limit
- RL Reporting Limit
- N Parameter not NELAC certified

- B Analyte detected in the associated Method Blank
- DF Dilution Factor
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- S Spike Recovery outside control limits

DHL Analytical, Inc.

Date: 04-Jan-13

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1212209

Client Sample ID: Cell 21 (3-4')
Lab ID: 1212209-05
Collection Date: 12/18/12 10:35 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL							
		M8015D					Analyst: DO
TPH-DRO C10-C28	14.7	10.3	10.3		mg/Kg-dry	1	12/27/12 08:17 PM
Surr: Isopropylbenzene	67.8	0	47-142		%REC	1	12/27/12 08:17 PM
Surr: Octacosane	111	0	25-162		%REC	1	12/27/12 08:17 PM
TPH PURGEABLE BY GC - SOIL							
		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.104	0.207		mg/Kg-dry	1	12/21/12 12:46 PM
Surr: Tetrachlorethene	106	0	70-134		%REC	1	12/21/12 12:46 PM
VOLATILE ORGANICS BY GC							
		SW8021B					Analyst: DEW
Benzene	ND	0.00291	0.00484		mg/Kg-dry	1	12/20/12 03:03 PM
Ethylbenzene	ND	0.00484	0.0145		mg/Kg-dry	1	12/20/12 03:03 PM
Toluene	ND	0.00484	0.0145		mg/Kg-dry	1	12/20/12 03:03 PM
Xylenes, Total	ND	0.00484	0.0145		mg/Kg-dry	1	12/20/12 03:03 PM
Surr: Tetrachloroethene	93.9	0	79-135		%REC	1	12/20/12 03:03 PM
TOTAL MERCURY: SOIL/SOLID							
		SW7471B					Analyst: LM
Mercury	ND	0.0150	0.0376		mg/Kg-dry	1	12/27/12 12:39 PM
TRACE METALS: ICP-MS - SOLID							
		SW6020A					Analyst: SW
Arsenic	4.27	0.459	0.919		mg/Kg-dry	5	12/26/12 08:43 PM
Barium	396	0.459	1.84		mg/Kg-dry	5	12/28/12 02:20 AM
Cadmium	0.185	0.0919	0.276	J	mg/Kg-dry	5	12/28/12 02:20 AM
Chromium	4.56	0.459	1.84		mg/Kg-dry	5	12/26/12 08:43 PM
Copper	4.98	0.459	1.84		mg/Kg-dry	5	12/26/12 08:43 PM
Iron	3210	57.4	57.4		mg/Kg-dry	25	12/27/12 09:02 PM
Lead	2.51	0.0919	0.276		mg/Kg-dry	5	12/28/12 02:20 AM
Manganese	49.1	0.459	1.84		mg/Kg-dry	5	12/26/12 08:43 PM
Selenium	0.690	0.138	0.459		mg/Kg-dry	5	12/28/12 02:20 AM
Silver	ND	0.0919	0.184		mg/Kg-dry	5	12/28/12 02:20 AM
Zinc	9.70	0.919	2.30		mg/Kg-dry	5	12/28/12 02:20 AM
TRPH							
		E418.1					Analyst: JBC
Petroleum Hydrocarbons, TR	ND	5.35	10.7	N	mg/Kg-dry	1	01/02/13 10:15 AM
ANIONS BY IC METHOD - SOIL							
		E300					Analyst: JBC
Chloride	6.20	5.27	5.27		mg/Kg-dry	1	12/27/12 12:12 PM
PERCENT MOISTURE							
		D2216					Analyst: MK
Percent Moisture	6.97	0	0		WT%	1	12/28/12 08:35 AM

Qualifiers:

- * Value exceeds TCLP Maximum Concentration Level
- C Sample Result or QC discussed in the Case Narrative
- E TPH pattern not Gas or Diesel Range Pattern
- MDL Method Detection Limit
- RL Reporting Limit
- N Parameter not NELAC certified

- B Analyte detected in the associated Method Blank
- DF Dilution Factor
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- S Spike Recovery outside control limits

DHL Analytical, Inc.

Date: 04-Jan-13

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1212209

Client Sample ID: Cell 26 (3-4')
Lab ID: 1212209-06
Collection Date: 12/18/12 10:45 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL							
		M8015D					Analyst: DO
TPH-DRO C10-C28	ND	10.4	10.4		mg/Kg-dry	1	12/27/12 07:50 PM
Surr: Isopropylbenzene	70.6	0	47-142		%REC	1	12/27/12 07:50 PM
Surr: Octacosane	106	0	25-162		%REC	1	12/27/12 07:50 PM
TPH PURGEABLE BY GC - SOIL							
		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.0960	0.192		mg/Kg-dry	1	12/21/12 01:11 PM
Surr: Tetrachlorethene	97.2	0	70-134		%REC	1	12/21/12 01:11 PM
VOLATILE ORGANICS BY GC							
		SW8021B					Analyst: DEW
Benzene	ND	0.00301	0.00502		mg/Kg-dry	1	12/20/12 03:28 PM
Ethylbenzene	ND	0.00502	0.0151		mg/Kg-dry	1	12/20/12 03:28 PM
Toluene	ND	0.00502	0.0151		mg/Kg-dry	1	12/20/12 03:28 PM
Xylenes, Total	ND	0.00502	0.0151		mg/Kg-dry	1	12/20/12 03:28 PM
Surr: Tetrachloroethene	93.7	0	79-135		%REC	1	12/20/12 03:28 PM
TOTAL MERCURY: SOIL/SOLID							
		SW7471B					Analyst: LM
Mercury	ND	0.0170	0.0425		mg/Kg-dry	1	12/27/12 12:41 PM
TRACE METALS: ICP-MS - SOLID							
		SW6020A					Analyst: SW
Arsenic	3.39	0.505	1.01		mg/Kg-dry	5	12/26/12 08:49 PM
Barium	282	0.505	2.02		mg/Kg-dry	5	12/27/12 09:08 PM
Cadmium	ND	0.101	0.303		mg/Kg-dry	5	12/27/12 09:08 PM
Chromium	3.50	0.505	2.02		mg/Kg-dry	5	12/26/12 08:49 PM
Copper	1.48	0.505	2.02	J	mg/Kg-dry	5	12/26/12 08:49 PM
Iron	2640	12.6	12.6		mg/Kg-dry	5	12/26/12 08:49 PM
Lead	1.63	0.101	0.303		mg/Kg-dry	5	12/27/12 09:08 PM
Manganese	22.1	0.505	2.02		mg/Kg-dry	5	12/26/12 08:49 PM
Selenium	0.328	0.152	0.505	J	mg/Kg-dry	5	12/27/12 09:08 PM
Silver	ND	0.101	0.202		mg/Kg-dry	5	12/27/12 09:08 PM
Zinc	13.2	1.01	2.53		mg/Kg-dry	5	12/27/12 09:08 PM
TRPH							
		E418.1					Analyst: JBC
Petroleum Hydrocarbons, TR	ND	5.40	10.8	N	mg/Kg-dry	1	01/02/13 10:15 AM
ANIONS BY IC METHOD - SOIL							
		E300					Analyst: JBC
Chloride	ND	5.27	5.27		mg/Kg-dry	1	12/27/12 12:42 PM
PERCENT MOISTURE							
		D2216					Analyst: MK
Percent Moisture	7.51	0	0		WT%	1	12/28/12 08:35 AM

Qualifiers: * Value exceeds TCLP Maximum Concentration Level
C Sample Result or QC discussed in the Case Narrative
E TPH pattern not Gas or Diesel Range Pattern
MDL Method Detection Limit
RL Reporting Limit
N Parameter not NELAC certified

B Analyte detected in the associated Method Blank
DF Dilution Factor
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
S Spike Recovery outside control limits

DHL Analytical, Inc.

Date: 04-Jan-13

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1212209

Client Sample ID: Cell 25 (3-4')
Lab ID: 1212209-07
Collection Date: 12/18/12 10:55 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL							
		M8015D					Analyst: DO
TPH-DRO C10-C28	ND	10.5	10.5		mg/Kg-dry	1	12/27/12 07:59 PM
Surr: Isopropylbenzene	61.2	0	47-142		%REC	1	12/27/12 07:59 PM
Surr: Octacosane	113	0	25-162		%REC	1	12/27/12 07:59 PM
TPH PURGEABLE BY GC - SOIL							
		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.106	0.212		mg/Kg-dry	1	12/21/12 01:35 PM
Surr: Tetrachlorethene	100	0	70-134		%REC	1	12/21/12 01:35 PM
VOLATILE ORGANICS BY GC							
		SW8021B					Analyst: DEW
Benzene	ND	0.00309	0.00515		mg/Kg-dry	1	12/20/12 03:52 PM
Ethylbenzene	ND	0.00515	0.0155		mg/Kg-dry	1	12/20/12 03:52 PM
Toluene	ND	0.00515	0.0155		mg/Kg-dry	1	12/20/12 03:52 PM
Xylenes, Total	ND	0.00515	0.0155		mg/Kg-dry	1	12/20/12 03:52 PM
Surr: Tetrachloroethene	88.9	0	79-135		%REC	1	12/20/12 03:52 PM
TOTAL MERCURY: SOIL/SOLID							
		SW7471B					Analyst: LM
Mercury	ND	0.0148	0.0371		mg/Kg-dry	1	12/27/12 12:43 PM
TRACE METALS: ICP-MS - SOLID							
		SW6020A					Analyst: SW
Arsenic	3.54	0.505	1.01		mg/Kg-dry	5	12/26/12 08:55 PM
Barium	64.7	0.505	2.02		mg/Kg-dry	5	12/26/12 08:55 PM
Cadmium	0.127	0.101	0.303	J	mg/Kg-dry	5	12/26/12 08:55 PM
Chromium	12.6	0.505	2.02		mg/Kg-dry	5	12/26/12 08:55 PM
Copper	4.26	0.505	2.02		mg/Kg-dry	5	12/26/12 08:55 PM
Iron	11000	126	126		mg/Kg-dry	50	12/27/12 09:14 PM
Lead	6.22	0.101	0.303		mg/Kg-dry	5	12/28/12 02:26 AM
Manganese	90.8	0.505	2.02		mg/Kg-dry	5	12/26/12 08:55 PM
Selenium	1.20	0.151	0.505		mg/Kg-dry	5	12/28/12 02:26 AM
Silver	ND	0.101	0.202		mg/Kg-dry	5	12/26/12 08:55 PM
Zinc	25.8	1.01	2.52		mg/Kg-dry	5	12/28/12 02:26 AM
TRPH							
		E418.1					Analyst: JBC
Petroleum Hydrocarbons, TR	ND	5.48	11.0	N	mg/Kg-dry	1	01/02/13 10:15 AM
ANIONS BY IC METHOD - SOIL							
		E300					Analyst: JBC
Chloride	ND	5.42	5.42		mg/Kg-dry	1	12/27/12 12:57 PM
PERCENT MOISTURE							
		D2216					Analyst: MK
Percent Moisture	9.12	0	0		WT%	1	12/28/12 08:35 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 04-Jan-13

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1212209

Client Sample ID: Cell 17 (0-1')
Lab ID: 1212209-08
Collection Date: 12/18/12 12:00 PM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL		M8015D					Analyst: DO
TPH-DRO C10-C28	71.4	9.89	9.89		mg/Kg-dry	1	01/02/13 08:17 PM
Surr: Isopropylbenzene	67.0	0	47-142		%REC	1	01/02/13 08:17 PM
Surr: Octacosane	120	0	25-162		%REC	1	01/02/13 08:17 PM
TPH PURGEABLE BY GC - SOIL		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.0992	0.198		mg/Kg-dry	1	12/21/12 02:01 PM
Surr: Tetrachlorethene	111	0	70-134		%REC	1	12/21/12 02:01 PM
VOLATILE ORGANICS BY GC		SW8021B					Analyst: DEW
Benzene	ND	0.00299	0.00499		mg/Kg-dry	1	12/20/12 04:17 PM
Ethylbenzene	ND	0.00499	0.0150		mg/Kg-dry	1	12/20/12 04:17 PM
Toluene	ND	0.00499	0.0150		mg/Kg-dry	1	12/20/12 04:17 PM
Xylenes, Total	ND	0.00499	0.0150		mg/Kg-dry	1	12/20/12 04:17 PM
Surr: Tetrachloroethene	101	0	79-135		%REC	1	12/20/12 04:17 PM
TRPH		E418.1					Analyst: JBC
Petroleum Hydrocarbons, TR	53.1	5.31	10.6	N	mg/Kg-dry	1	01/02/13 10:15 AM
ANIONS BY IC METHOD - SOIL		E300					Analyst: JBC
Chloride	203	5.32	5.32		mg/Kg-dry	1	12/27/12 01:12 PM
PERCENT MOISTURE		D2216					Analyst: MK
Percent Moisture	6.68	0	0		WT%	1	12/28/12 08:35 AM

Qualifiers:

- * Value exceeds TCLP Maximum Concentration Level
- C Sample Result or QC discussed in the Case Narrative
- E TPH pattern not Gas or Diesel Range Pattern
- MDL Method Detection Limit
- RL Reporting Limit
- N Parameter not NELAC certified

- B Analyte detected in the associated Method Blank
- DF Dilution Factor
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- S Spike Recovery outside control limits

DHL Analytical, Inc.

Date: 04-Jan-13

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1212209

Client Sample ID: Cell 18 (0-1')
Lab ID: 1212209-09
Collection Date: 12/18/12 12:20 PM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL		M8015D					Analyst: DO
TPH-DRO C10-C28	205	10.4	10.4		mg/Kg-dry	1	01/02/13 08:35 PM
Surr: Isopropylbenzene	69.8	0	47-142		%REC	1	01/02/13 08:35 PM
Surr: Octacosane	190	0	25-162	S	%REC	1	01/02/13 08:35 PM
TPH PURGEABLE BY GC - SOIL		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.0994	0.199		mg/Kg-dry	1	12/21/12 02:26 PM
Surr: Tetrachlorethene	110	0	70-134		%REC	1	12/21/12 02:26 PM
VOLATILE ORGANICS BY GC		SW8021B					Analyst: DEW
Benzene	ND	0.00312	0.00519		mg/Kg-dry	1	12/20/12 04:43 PM
Ethylbenzene	ND	0.00519	0.0156		mg/Kg-dry	1	12/20/12 04:43 PM
Toluene	ND	0.00519	0.0156		mg/Kg-dry	1	12/20/12 04:43 PM
Xylenes, Total	ND	0.00519	0.0156		mg/Kg-dry	1	12/20/12 04:43 PM
Surr: Tetrachloroethene	103	0	79-135		%REC	1	12/20/12 04:43 PM
TRPH		E418.1					Analyst: JBC
Petroleum Hydrocarbons, TR	75.1	5.32	10.6	N	mg/Kg-dry	1	01/02/13 10:15 AM
ANIONS BY IC METHOD - SOIL		E300					Analyst: JBC
Chloride	ND	5.33	5.33		mg/Kg-dry	1	12/27/12 01:26 PM
PERCENT MOISTURE		D2216					Analyst: MK
Percent Moisture	6.54	0	0		WT%	1	12/28/12 08:35 AM

Qualifiers:

- * Value exceeds TCLP Maximum Concentration Level
- C Sample Result or QC discussed in the Case Narrative
- E TPH pattern not Gas or Diesel Range Pattern
- MDL Method Detection Limit
- RL Reporting Limit
- N Parameter not NELAC certified

- B Analyte detected in the associated Method Blank
- DF Dilution Factor
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- S Spike Recovery outside control limits

DHL Analytical, Inc.

Date: 04-Jan-13

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1212209

Client Sample ID: Cell 19 (0-1')
Lab ID: 1212209-10
Collection Date: 12/18/12 12:35 PM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL		M8015D					Analyst: DO
TPH-DRO C10-C28	57.7	10.0	10.0		mg/Kg-dry	1	12/27/12 09:37 PM
Surr: Isopropylbenzene	68.1	0	47-142		%REC	1	12/27/12 09:37 PM
Surr: Octacosane	124	0	25-162		%REC	1	12/27/12 09:37 PM
TPH PURGEABLE BY GC - SOIL		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.102	0.204		mg/Kg-dry	1	12/21/12 02:52 PM
Surr: Tetrachlorethene	110	0	70-134		%REC	1	12/21/12 02:52 PM
VOLATILE ORGANICS BY GC		SW8021B					Analyst: DEW
Benzene	ND	0.00280	0.00466		mg/Kg-dry	1	12/20/12 05:06 PM
Ethylbenzene	ND	0.00466	0.0140		mg/Kg-dry	1	12/20/12 05:06 PM
Toluene	ND	0.00466	0.0140		mg/Kg-dry	1	12/20/12 05:06 PM
Xylenes, Total	ND	0.00466	0.0140		mg/Kg-dry	1	12/20/12 05:06 PM
Surr: Tetrachloroethene	98.9	0	79-135		%REC	1	12/20/12 05:06 PM
TRPH		E418.1					Analyst: JBC
Petroleum Hydrocarbons, TR	90.8	5.26	10.5	N	mg/Kg-dry	1	01/02/13 10:15 AM
ANIONS BY IC METHOD - SOIL		E300					Analyst: JBC
Chloride	8.52	5.23	5.23		mg/Kg-dry	1	12/27/12 01:41 PM
PERCENT MOISTURE		D2216					Analyst: MK
Percent Moisture	5.12	0	0		WT%	1	12/28/12 08:35 AM

Qualifiers:

- * Value exceeds TCLP Maximum Concentration Level
- C Sample Result or QC discussed in the Case Narrative
- E TPH pattern not Gas or Diesel Range Pattern
- MDL Method Detection Limit
- RL Reporting Limit
- N Parameter not NELAC certified

- B Analyte detected in the associated Method Blank
- DF Dilution Factor
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- S Spike Recovery outside control limits

DHL Analytical, Inc.

Date: 04-Jan-13

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1212209

Client Sample ID: Cell 20 (0-1')
Lab ID: 1212209-11
Collection Date: 12/18/12 12:55 PM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL							
		M8015D					Analyst: DO
TPH-DRO C10-C28	37.9	9.91	9.91		mg/Kg-dry	1	01/02/13 07:41 PM
Surr: Isopropylbenzene	69.7	0	47-142		%REC	1	01/02/13 07:41 PM
Surr: Octacosane	111	0	25-162		%REC	1	01/02/13 07:41 PM
TPH PURGEABLE BY GC - SOIL							
		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.104	0.208		mg/Kg-dry	1	12/21/12 04:07 PM
Surr: Tetrachlorethene	111	0	70-134		%REC	1	12/21/12 04:07 PM
VOLATILE ORGANICS BY GC							
		SW8021B					Analyst: DEW
Benzene	ND	0.00285	0.00475		mg/Kg-dry	1	12/20/12 06:24 PM
Ethylbenzene	ND	0.00475	0.0142		mg/Kg-dry	1	12/20/12 06:24 PM
Toluene	ND	0.00475	0.0142		mg/Kg-dry	1	12/20/12 06:24 PM
Xylenes, Total	ND	0.00475	0.0142		mg/Kg-dry	1	12/20/12 06:24 PM
Surr: Tetrachloroethene	97.2	0	79-135		%REC	1	12/20/12 06:24 PM
TRPH							
		E418.1					Analyst: JBC
Petroleum Hydrocarbons, TR	31.1	5.29	10.6	N	mg/Kg-dry	1	01/02/13 10:15 AM
ANIONS BY IC METHOD - SOIL							
		E300					Analyst: JBC
Chloride	19.7	5.29	5.29		mg/Kg-dry	1	12/27/12 01:57 PM
PERCENT MOISTURE							
		D2216					Analyst: MK
Percent Moisture	6.00	0	0		WT%	1	01/02/12 08:55 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 04-Jan-13

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1212209

Client Sample ID: Cell 21 (0-1')
Lab ID: 1212209-12
Collection Date: 12/18/12 01:15 PM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL		M8015D					Analyst: DO
TPH-DRO C10-C28	187	10.3	10.3		mg/Kg-dry	1	01/02/13 09:38 PM
Surr: Isopropylbenzene	72.3	0	47-142		%REC	1	01/02/13 09:38 PM
Surr: Octacosane	172	0	25-162	S	%REC	1	01/02/13 09:38 PM
TPH PURGEABLE BY GC - SOIL		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.0991	0.198		mg/Kg-dry	1	12/21/12 04:33 PM
Surr: Tetrachlorethene	112	0	70-134		%REC	1	12/21/12 04:33 PM
VOLATILE ORGANICS BY GC		SW8021B					Analyst: DEW
Benzene	ND	0.00306	0.00510		mg/Kg-dry	1	12/20/12 06:50 PM
Ethylbenzene	ND	0.00510	0.0153		mg/Kg-dry	1	12/20/12 06:50 PM
Toluene	ND	0.00510	0.0153		mg/Kg-dry	1	12/20/12 06:50 PM
Xylenes, Total	ND	0.00510	0.0153		mg/Kg-dry	1	12/20/12 06:50 PM
Surr: Tetrachloroethene	99.3	0	79-135		%REC	1	12/20/12 06:50 PM
TRPH		E418.1					Analyst: JBC
Petroleum Hydrocarbons, TR	139	5.24	10.5	N	mg/Kg-dry	1	01/02/13 10:15 AM
ANIONS BY IC METHOD - SOIL		E300					Analyst: JBC
Chloride	ND	5.20	5.20		mg/Kg-dry	1	12/27/12 02:11 PM
PERCENT MOISTURE		D2216					Analyst: MK
Percent Moisture	5.49	0	0		WT%	1	01/02/12 08:55 AM

Qualifiers:	* Value exceeds TCLP Maximum Concentration Level	B Analyte detected in the associated Method Blank
	C Sample Result or QC discussed in the Case Narrative	DF Dilution Factor
	E TPH pattern not Gas or Diesel Range Pattern	J Analyte detected between MDL and RL
	MDL Method Detection Limit	ND Not Detected at the Method Detection Limit
	RL Reporting Limit	S Spike Recovery outside control limits
	N Parameter not NELAC certified	

DHL Analytical, Inc.

Date: 04-Jan-13

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1212209

Client Sample ID: Cell 26 (0-1')
Lab ID: 1212209-13
Collection Date: 12/18/12 01:35 PM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL		M8015D					Analyst: DO
TPH-DRO C10-C28	12.8	9.76	9.76		mg/Kg-dry	1	12/27/12 08:08 PM
Surr: Isopropylbenzene	65.5	0	47-142		%REC	1	12/27/12 08:08 PM
Surr: Octacosane	127	0	25-162		%REC	1	12/27/12 08:08 PM
TPH PURGEABLE BY GC - SOIL		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.100	0.200		mg/Kg-dry	1	12/21/12 04:59 PM
Surr: Tetrachlorethene	109	0	70-134		%REC	1	12/21/12 04:59 PM
VOLATILE ORGANICS BY GC		SW8021B					Analyst: DEW
Benzene	ND	0.00316	0.00527		mg/Kg-dry	1	12/20/12 07:15 PM
Ethylbenzene	ND	0.00527	0.0158		mg/Kg-dry	1	12/20/12 07:15 PM
Toluene	ND	0.00527	0.0158		mg/Kg-dry	1	12/20/12 07:15 PM
Xylenes, Total	ND	0.00527	0.0158		mg/Kg-dry	1	12/20/12 07:15 PM
Surr: Tetrachloroethene	92.9	0	79-135		%REC	1	12/20/12 07:15 PM
TRPH		E418.1					Analyst: JBC
Petroleum Hydrocarbons, TR	13.8	5.26	10.5	N	mg/Kg-dry	1	01/02/13 10:15 AM
ANIONS BY IC METHOD - SOIL		E300					Analyst: JBC
Chloride	ND	5.18	5.18		mg/Kg-dry	1	12/27/12 02:26 PM
PERCENT MOISTURE		D2216					Analyst: MK
Percent Moisture	5.32	0	0		WT%	1	01/02/12 08:55 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 04-Jan-13

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1212209

Client Sample ID: Cell 25 (0-1')
Lab ID: 1212209-14
Collection Date: 12/18/12 01:50 PM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL							
		M8015D					Analyst: DO
TPH-DRO C10-C28	53.6	9.85	9.85		mg/Kg-dry	1	01/02/13 07:59 PM
Surr: Isopropylbenzene	70.4	0	47-142		%REC	1	01/02/13 07:59 PM
Surr: Octacosane	125	0	25-162		%REC	1	01/02/13 07:59 PM
TPH PURGEABLE BY GC - SOIL							
		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.0995	0.199		mg/Kg-dry	1	12/21/12 05:25 PM
Surr: Tetrachlorethene	111	0	70-134		%REC	1	12/21/12 05:25 PM
VOLATILE ORGANICS BY GC							
		SW8021B					Analyst: DEW
Benzene	ND	0.00286	0.00477		mg/Kg-dry	1	12/20/12 07:41 PM
Ethylbenzene	ND	0.00477	0.0143		mg/Kg-dry	1	12/20/12 07:41 PM
Toluene	ND	0.00477	0.0143		mg/Kg-dry	1	12/20/12 07:41 PM
Xylenes, Total	ND	0.00477	0.0143		mg/Kg-dry	1	12/20/12 07:41 PM
Surr: Tetrachloroethene	96.5	0	79-135		%REC	1	12/20/12 07:41 PM
TRPH							
		E418.1					Analyst: JBC
Petroleum Hydrocarbons, TR	45.0	5.21	10.4	N	mg/Kg-dry	1	01/02/13 10:15 AM
ANIONS BY IC METHOD - SOIL							
		E300					Analyst: JBC
Chloride	ND	5.12	5.12		mg/Kg-dry	1	12/27/12 02:41 PM
PERCENT MOISTURE							
		D2216					Analyst: MK
Percent Moisture	4.45	0	0		WT%	1	01/02/12 08:55 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 04-Jan-13

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1212209

Client Sample ID: Dup (0-1')
Lab ID: 1212209-15
Collection Date: 12/18/12
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL		M8015D					Analyst: DO
TPH-DRO C10-C28	164	10.1	10.1		mg/Kg-dry	1	01/02/13 09:56 PM
Surr: Isopropylbenzene	66.9	0	47-142		%REC	1	01/02/13 09:56 PM
Surr: Octacosane	177	0	25-162	S	%REC	1	01/02/13 09:56 PM
TPH PURGEABLE BY GC - SOIL		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.0975	0.195		mg/Kg-dry	1	12/21/12 05:51 PM
Surr: Tetrachlorethene	111	0	70-134		%REC	1	12/21/12 05:51 PM
VOLATILE ORGANICS BY GC		SW8021B					Analyst: DEW
Benzene	ND	0.00303	0.00505		mg/Kg-dry	1	12/20/12 08:07 PM
Ethylbenzene	ND	0.00505	0.0152		mg/Kg-dry	1	12/20/12 08:07 PM
Toluene	ND	0.00505	0.0152		mg/Kg-dry	1	12/20/12 08:07 PM
Xylenes, Total	ND	0.00505	0.0152		mg/Kg-dry	1	12/20/12 08:07 PM
Surr: Tetrachloroethene	98.4	0	79-135		%REC	1	12/20/12 08:07 PM
TRPH		E418.1					Analyst: JBC
Petroleum Hydrocarbons, TR	143	5.24	10.5	N	mg/Kg-dry	1	01/02/13 10:15 AM
ANIONS BY IC METHOD - SOIL		E300					Analyst: JBC
Chloride	ND	5.19	5.19		mg/Kg-dry	1	12/27/12 02:55 PM
PERCENT MOISTURE		D2216					Analyst: MK
Percent Moisture	5.73	0	0		WT%	1	01/02/12 08:55 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	N	Parameter not NELAC certified		

CLIENT: Larson & Associates

Work Order: 1212209

Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_121227A

The QC data in batch 55324 applies to the following samples: 1212209-01C, 1212209-02C, 1212209-03C, 1212209-04C, 1212209-05C, 1212209-06C, 1212209-07C, 1212209-08C, 1212209-09C, 1212209-10C, 1212209-11C, 1212209-12C, 1212209-13C, 1212209-14C, 1212209-15C

Sample ID: LCS-55324	Batch ID: 55324	TestNo: M8015D	Units: mg/Kg
SampType: LCS	Run ID: GC15_121227A	Analysis Date: 12/27/2012 5:27:37 PM	Prep Date: 12/27/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	117	10.0	125.0	0	93.6	50	114			
Surr: Isopropylbenzene	3.46		7.500		46.1	47	142			S
Surr: Octacosane	7.42		7.500		98.9	25	162			

Sample ID: MB-55324	Batch ID: 55324	TestNo: M8015D	Units: mg/Kg
SampType: MBLK	Run ID: GC15_121227A	Analysis Date: 12/27/2012 6:12:32 PM	Prep Date: 12/27/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	ND	10.0								
Surr: Isopropylbenzene	5.67		7.500		75.7	47	142			
Surr: Octacosane	7.39		7.500		98.5	25	162			

Sample ID: 1212209-06CMS	Batch ID: 55324	TestNo: M8015D	Units: mg/Kg-dry
SampType: MS	Run ID: GC15_121227A	Analysis Date: 12/28/2012 12:55:07 A	Prep Date: 12/27/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	120	10.6	132.2	0	90.4	50	114			
Surr: Isopropylbenzene	4.42		7.934		55.7	47	142			
Surr: Octacosane	6.81		7.934		85.8	25	162			

Sample ID: 1212209-06CMSD	Batch ID: 55324	TestNo: M8015D	Units: mg/Kg-dry
SampType: MSD	Run ID: GC15_121227A	Analysis Date: 12/28/2012 1:04:04 AM	Prep Date: 12/27/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	105	10.5	131.3	0	79.7	50	114	13.3	30	
Surr: Isopropylbenzene	4.85		7.880		61.6	47	142	0	0	
Surr: Octacosane	6.76		7.880		85.8	25	162	0	0	

Sample ID: SBLNK-130102	Batch ID: 55324	TestNo: M8015D	Units: mg/Kg
SampType: MBLK	Run ID: GC15_121227A	Analysis Date: 1/2/2013 5:45:16 PM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	ND	10.0								

Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

- DF Dilution Factor
- MDL Method Detection Limit
- R RPD outside accepted control limits
- S Spike Recovery outside control limits
- N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1212209
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_121227A

Sample ID: ICV-121227	Batch ID: R64123	TestNo: M8015D	Units: mg/Kg							
SampType: ICV	Run ID: GC15_121227A	Analysis Date: 12/27/2012 5:09:18 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

TPH-DRO C10-C28	574	10.0	500.0	0	115	80	120			
Surr: Isopropylbenzene	24.9		25.00		99.4	47	142			
Surr: Octacosane	27.1		25.00		108	25	162			

Sample ID: CCV1-121227	Batch ID: R64123	TestNo: M8015D	Units: mg/Kg							
SampType: CCV	Run ID: GC15_121227A	Analysis Date: 12/27/2012 7:23:13 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

TPH-DRO C10-C28	275	10.0	250.0	0	110	80	120			
Surr: Isopropylbenzene	12.5		12.50		99.8	47	142			
Surr: Octacosane	12.3		12.50		98.8	25	162			

Sample ID: CCV2-121227	Batch ID: R64123	TestNo: M8015D	Units: mg/Kg							
SampType: CCV	Run ID: GC15_121227A	Analysis Date: 12/27/2012 9:19:51 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

TPH-DRO C10-C28	249	10.0	250.0	0	99.6	80	120			
Surr: Isopropylbenzene	11.7		12.50		93.7	47	142			
Surr: Octacosane	12.3		12.50		98.1	25	162			

Sample ID: CCV3-121227	Batch ID: R64123	TestNo: M8015D	Units: mg/Kg							
SampType: CCV	Run ID: GC15_121227A	Analysis Date: 12/28/2012 12:28:15 A	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

TPH-DRO C10-C28	258	10.0	250.0	0	103	80	120			
Surr: Isopropylbenzene	12.1		12.50		96.9	47	142			
Surr: Octacosane	10.5		12.50		84.0	25	162			

Sample ID: CCV4-121227	Batch ID: R64123	TestNo: M8015D	Units: mg/Kg							
SampType: CCV	Run ID: GC15_121227A	Analysis Date: 12/28/2012 9:17:17 AM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

TPH-DRO C10-C28	222	10.0	250.0	0	88.9	80	120			
Surr: Isopropylbenzene	12.6		12.50		101	47	142			
Surr: Octacosane	12.3		12.50		98.6	25	162			

Sample ID: ICV-130102	Batch ID: R64123	TestNo: M8015D	Units: mg/Kg							
SampType: ICV	Run ID: GC15_121227A	Analysis Date: 1/2/2013 5:36:17 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

TPH-DRO C10-C28	541	10.0	500.0	0	108	80	120			
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Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1212209
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_121227A

Sample ID: ICV-130102	Batch ID: R64123	TestNo: M8015D	Units: mg/Kg							
SampType: ICV	Run ID: GC15_121227A	Analysis Date: 1/2/2013 5:36:17 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: Isopropylbenzene	23.8		25.00		95.2	47	142			
Surr: Octacosane	26.6		25.00		106	25	162			

Sample ID: CCV1-130102	Batch ID: R64123	TestNo: M8015D	Units: mg/Kg							
SampType: CCV	Run ID: GC15_121227A	Analysis Date: 1/2/2013 9:02:41 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	290	10.0	250.0	0	116	80	120			
Surr: Isopropylbenzene	14.1		12.50		113	47	142			
Surr: Octacosane	12.8		12.50		102	25	162			

Sample ID: CCV2-130102	Batch ID: R64123	TestNo: M8015D	Units: mg/Kg							
SampType: CCV	Run ID: GC15_121227A	Analysis Date: 1/2/2013 10:23:25 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	289	10.0	250.0	0	115	80	120			
Surr: Isopropylbenzene	13.4		12.50		108	47	142			
Surr: Octacosane	12.8		12.50		102	25	162			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1212209
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_121220A

The QC data in batch 55263 applies to the following samples: 1212209-01A, 1212209-02A, 1212209-03A, 1212209-04A, 1212209-05A, 1212209-06A, 1212209-07A, 1212209-08A, 1212209-09A, 1212209-10A, 1212209-11A, 1212209-12A, 1212209-13A, 1212209-14A, 1212209-15A

Sample ID: LCS-55263	Batch ID: 55263	TestNo: SW8021B	Units: mg/Kg
SampType: LCS	Run ID: GC4_121220A	Analysis Date: 12/20/2012 12:02:51 P	Prep Date: 12/20/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.102	0.00500	0.1000	0	102	65	113			
Toluene	0.104	0.0150	0.1000	0	104	73	115			
Ethylbenzene	0.105	0.0150	0.1000	0	105	74	118			
Xylenes, Total	0.318	0.0150	0.3000	0	106	73	119			
Surr: Tetrachloroethene	0.181		0.2000		90.5	79	135			

Sample ID: MB-55263	Batch ID: 55263	TestNo: SW8021B	Units: mg/Kg
SampType: MBLK	Run ID: GC4_121220A	Analysis Date: 12/20/2012 12:52:23 P	Prep Date: 12/20/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.00500								
Toluene	ND	0.0150								
Ethylbenzene	ND	0.0150								
Xylenes, Total	ND	0.0150								
Surr: Tetrachloroethene	0.189		0.2000		94.4	79	135			

Sample ID: 1212209-15AMS	Batch ID: 55263	TestNo: SW8021B	Units: mg/Kg-dry
SampType: MS	Run ID: GC4_121220A	Analysis Date: 12/20/2012 8:32:48 PM	Prep Date: 12/20/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.104	0.00497	0.09932	0	105	65	113			
Toluene	0.103	0.0149	0.09932	0	104	73	115			
Ethylbenzene	0.102	0.0149	0.09932	0	103	74	118			
Xylenes, Total	0.304	0.0149	0.2980	0	102	73	119			
Surr: Tetrachloroethene	0.201		0.1986		101	79	135			

Sample ID: 1212209-15AMSD	Batch ID: 55263	TestNo: SW8021B	Units: mg/Kg-dry
SampType: MSD	Run ID: GC4_121220A	Analysis Date: 12/20/2012 8:58:36 PM	Prep Date: 12/20/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.0903	0.00481	0.09626	0	93.8	65	113	13.9	30	
Toluene	0.0896	0.0144	0.09626	0	93.1	73	115	13.7	30	
Ethylbenzene	0.0875	0.0144	0.09626	0	90.9	74	118	15.3	30	
Xylenes, Total	0.260	0.0144	0.2888	0	89.9	73	119	15.7	30	
Surr: Tetrachloroethene	0.191		0.1925		99.2	79	135	0	0	

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1212209
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_121220A

Sample ID: ICV-121220	Batch ID: R64038	TestNo: SW8021B	Units: mg/Kg
SampType: ICV	Run ID: GC4_121220A	Analysis Date: 12/20/2012 11:38:13 A	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.199	0.00500	0.2000	0	99.4	80	120			
Toluene	0.199	0.0150	0.2000	0	99.5	80	120			
Ethylbenzene	0.205	0.0150	0.2000	0	103	80	120			
Xylenes, Total	0.622	0.0150	0.6000	0	104	80	120			
Surr: Tetrachloroethene	0.184		0.2000		92.2	79	135			

Sample ID: CCV1-121220	Batch ID: R64038	TestNo: SW8021B	Units: mg/Kg
SampType: CCV	Run ID: GC4_121220A	Analysis Date: 12/20/2012 5:32:40 PM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.0985	0.00500	0.1000	0	98.5	80	120			
Toluene	0.0996	0.0150	0.1000	0	99.6	80	120			
Ethylbenzene	0.103	0.0150	0.1000	0	103	80	120			
Xylenes, Total	0.307	0.0150	0.3000	0	102	80	120			
Surr: Tetrachloroethene	0.183		0.2000		91.4	79	135			

Sample ID: CCV2-121220	Batch ID: R64038	TestNo: SW8021B	Units: mg/Kg
SampType: CCV	Run ID: GC4_121220A	Analysis Date: 12/20/2012 9:23:51 PM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.100	0.00500	0.1000	0	100	80	120			
Toluene	0.102	0.0150	0.1000	0	102	80	120			
Ethylbenzene	0.105	0.0150	0.1000	0	105	80	120			
Xylenes, Total	0.311	0.0150	0.3000	0	104	80	120			
Surr: Tetrachloroethene	0.181		0.2000		90.3	79	135			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1212209
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_121221A

The QC data in batch 55286 applies to the following samples: 1212209-01A, 1212209-02A, 1212209-03A, 1212209-04A, 1212209-05A, 1212209-06A, 1212209-07A, 1212209-08A, 1212209-09A, 1212209-10A, 1212209-11A, 1212209-12A, 1212209-13A, 1212209-14A, 1212209-15A

Sample ID: LCS-55286	Batch ID: 55286	TestNo: M8015V	Units: mg/Kg
SampType: LCS	Run ID: GC4_121221A	Analysis Date: 12/21/2012 9:36:28 AM	Prep Date: 12/21/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	5.01	0.200	5.000	0	100	68	126			
Surr: Tetrachlorethene	0.327		0.4000		81.8	70	134			

Sample ID: MB-55286	Batch ID: 55286	TestNo: M8015V	Units: mg/Kg							
SampType: MBLK	Run ID: GC4_121221A	Analysis Date: 12/21/2012 10:33:48 A	Prep Date: 12/21/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	ND	0.200								
Surr: Tetrachlorethene	0.336		0.4000		84.0	70	134			

Sample ID: 1212209-15AMS	Batch ID: 55286	TestNo: M8015V	Units: mg/Kg-dry							
SampType: MS	Run ID: GC4_121221A	Analysis Date: 12/21/2012 6:17:11 PM	Prep Date: 12/21/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	3.44	0.190	4.744	0	72.5	68	126			
Surr: Tetrachlorethene	0.424		0.3795		112	70	134			

Sample ID: 1212209-15AMSD	Batch ID: 55286	TestNo: M8015V	Units: mg/Kg-dry							
SampType: MSD	Run ID: GC4_121221A	Analysis Date: 12/21/2012 6:43:02 PM	Prep Date: 12/21/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	3.71	0.197	4.929	0	75.3	68	126	7.69	30	
Surr: Tetrachlorethene	0.442		0.3943		112	70	134	0	0	

Qualifiers: B Analyte detected in the associated Method Blank J Analyte detected between MDL and RL ND Not Detected at the Method Detection Limit RL Reporting Limit J Analyte detected between SDL and RL	DF Dilution Factor MDL Method Detection Limit R RPD outside accepted control limits S Spike Recovery outside control limits N Parameter not NELAC certified
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CLIENT: Larson & Associates
Work Order: 1212209
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_121221A

Sample ID: ICV-121221	Batch ID: R64085	TestNo: M8015V					Units: mg/Kg			
SampType: ICV	Run ID: GC4_121221A	Analysis Date: 12/21/2012 9:10:51 AM					Prep Date:			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	9.07	0.200	10.00	0	90.7	80	120			
Surr: Tetrachlorethene	0.301		0.4000		75.4	70	134			

Sample ID: CCV-121221	Batch ID: R64085	TestNo: M8015V	Units: mg/Kg							
SampType: CCV	Run ID: GC4_121221A	Analysis Date: 12/21/2012 3:17:34 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	5.10	0.200	5.000	0	102	80	120			
Surr: Tetrachlorethene	0.388		0.4000		97.0	70	134			

Sample ID: CCV2-121221	Batch ID: R64085	TestNo: M8015V	Units: mg/Kg							
SampType: CCV	Run ID: GC4_121221A	Analysis Date: 12/21/2012 7:08:45 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	5.21	0.200	5.000	0	104	80	120			
Surr: Tetrachlorethene	0.380		0.4000		95.1	70	134			

Qualifiers: B Analyte detected in the associated Method Blank J Analyte detected between MDL and RL ND Not Detected at the Method Detection Limit RL Reporting Limit J Analyte detected between SDL and RL	DF Dilution Factor MDL Method Detection Limit R RPD outside accepted control limits S Spike Recovery outside control limits N Parameter not NELAC certified
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CLIENT: Larson & Associates
Work Order: 1212209
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: CETAC_HG_121227A

The QC data in batch 55282 applies to the following samples: 1212209-01B, 1212209-02B, 1212209-03B, 1212209-04B, 1212209-05B, 1212209-06B, 1212209-07B

Sample ID: MB-55282	Batch ID: 55282	TestNo: SW7471B	Units: mg/Kg							
SampType: MBLK	Run ID: CETAC_HG_121227A	Analysis Date: 12/27/2012 11:55:07 A	Prep Date: 12/26/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Mercury ND 0.0400

Sample ID: LCS-55282	Batch ID: 55282	TestNo: SW7471B	Units: mg/Kg							
SampType: LCS	Run ID: CETAC_HG_121227A	Analysis Date: 12/27/2012 12:02:00 P	Prep Date: 12/26/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Mercury 0.229 0.0400 0.2000 0 114 85 115

Sample ID: LCSD-55282	Batch ID: 55282	TestNo: SW7471B	Units: mg/Kg							
SampType: LCSD	Run ID: CETAC_HG_121227A	Analysis Date: 12/27/2012 12:07:45 P	Prep Date: 12/26/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Mercury 0.224 0.0400 0.2000 0 112 85 115 2.21 25

Sample ID: 1212209-01B SD	Batch ID: 55282	TestNo: SW7471B	Units: mg/Kg-dry							
SampType: SD	Run ID: CETAC_HG_121227A	Analysis Date: 12/27/2012 12:18:16 P	Prep Date: 12/26/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Mercury 0 0.204 0 0 0 0 10

Sample ID: 1212209-01B PDS	Batch ID: 55282	TestNo: SW7471B	Units: mg/Kg-dry							
SampType: PDS	Run ID: CETAC_HG_121227A	Analysis Date: 12/27/2012 12:20:19 P	Prep Date: 12/26/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Mercury 0.263 0.0407 0.2546 0 103 85 115

Sample ID: 1212209-01B MS	Batch ID: 55282	TestNo: SW7471B	Units: mg/Kg-dry							
SampType: MS	Run ID: CETAC_HG_121227A	Analysis Date: 12/27/2012 12:22:22 P	Prep Date: 12/26/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Mercury 0.215 0.0406 0.2030 0 106 80 120

Sample ID: 1212209-01B MSD	Batch ID: 55282	TestNo: SW7471B	Units: mg/Kg-dry							
SampType: MSD	Run ID: CETAC_HG_121227A	Analysis Date: 12/27/2012 12:28:33 P	Prep Date: 12/26/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Mercury 0.221 0.0403 0.2015 0 109 80 120 2.48 25

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1212209
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: CETAC_HG_121227A

Sample ID: ICV-121227	Batch ID: R64115	TestNo: SW7471B	Units: mg/Kg							
SampType: ICV	Run ID: CETAC_HG_121227A	Analysis Date: 12/27/2012 11:50:49 A	Prep Date:							
Analyte	Result	R/L	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Mercury	0.00402	0.0400	0.004000	0	101	90	110			
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Sample ID: CCV1-121227	Batch ID: R64115	TestNo: SW7471B	Units: mg/Kg							
SampType: CCV	Run ID: CETAC_HG_121227A	Analysis Date: 12/27/2012 12:24:26 P	Prep Date:							
Analyte	Result	R/L	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Mercury	0.00194	0.0400	0.002000	0	97.0	90	110			
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Sample ID: CCV2-121227	Batch ID: R64115	TestNo: SW7471B	Units: mg/Kg							
SampType: CCV	Run ID: CETAC_HG_121227A	Analysis Date: 12/27/2012 12:51:37 P	Prep Date:							
Analyte	Result	R/L	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Mercury	0.00197	0.0400	0.002000	0	98.5	90	110			
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Qualifiers:	B	Analyte detected in the associated Method Blank	DF	Dilution Factor
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
	RL	Reporting Limit	S	Spike Recovery outside control limits
	J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: Larson & Associates

Work Order: 1212209

Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_121226A

The QC data in batch 55279 applies to the following samples: 1212209-01B, 1212209-02B, 1212209-03B, 1212209-04B, 1212209-05B, 1212209-06B, 1212209-07B

Sample ID: MB-55279	Batch ID: 55279	TestNo: SW6020A	Units: mg/Kg
SampType: MBLK	Run ID: ICP-MS2_121226A	Analysis Date: 12/26/2012 7:50:00 PM	Prep Date: 12/26/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	1.00								
Barium	ND	2.00								
Cadmium	ND	0.300								
Chromium	ND	2.00								
Copper	ND	2.00								
Iron	ND	12.5								
Lead	ND	0.300								
Manganese	ND	2.00								
Silver	ND	0.200								

Sample ID: LCS-55279	Batch ID: 55279	TestNo: SW6020A	Units: mg/Kg
SampType: LCS	Run ID: ICP-MS2_121226A	Analysis Date: 12/26/2012 7:56:00 PM	Prep Date: 12/26/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	50.2	1.00	50.00	0	100	80	120			
Barium	52.8	2.00	50.00	0	106	80	120			
Cadmium	52.0	0.300	50.00	0	104	80	120			
Chromium	54.1	2.00	50.00	0	108	80	120			
Copper	52.2	2.00	50.00	0	104	80	120			
Iron	261	12.5	250.0	0	104	80	120			
Lead	51.4	0.300	50.00	0	103	80	120			
Manganese	53.8	2.00	50.00	0	108	80	120			
Silver	52.1	0.200	50.00	0	104	80	120			

Sample ID: LCSD-55279	Batch ID: 55279	TestNo: SW6020A	Units: mg/Kg
SampType: LCSD	Run ID: ICP-MS2_121226A	Analysis Date: 12/26/2012 8:02:00 PM	Prep Date: 12/26/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	50.5	1.00	50.00	0	101	80	120	0.695	20	
Barium	52.8	2.00	50.00	0	106	80	120	0.094	20	
Cadmium	52.8	0.300	50.00	0	106	80	120	1.48	20	
Chromium	54.4	2.00	50.00	0	109	80	120	0.645	20	
Copper	52.8	2.00	50.00	0	106	80	120	1.00	20	
Iron	262	12.5	250.0	0	105	80	120	0.573	20	
Lead	52.3	0.300	50.00	0	105	80	120	1.78	20	
Manganese	54.3	2.00	50.00	0	109	80	120	0.879	20	
Silver	52.6	0.200	50.00	0	105	80	120	0.908	20	

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1212209
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_121226A

Sample ID: 1212209-01B SD	Batch ID: 55279	TestNo: SW6020A	Units: mg/Kg-dry
SampType: SD	Run ID: ICP-MS2_121226A	Analysis Date: 12/26/2012 8:19:00 PM	Prep Date: 12/26/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	5.65	5.47	0	5.504				2.70	10	
Barium	412	10.9	0	423.1				2.75	10	
Cadmium	0	1.64	0	0.1339				0	10	
Chromium	4.73	10.9	0	4.557				3.80	10	
Copper	3.40	10.9	0	4.056				17.6	10	R
Lead	2.18	1.64	0	2.305				5.43	10	
Manganese	44.8	10.9	0	42.70				4.69	10	
Silver	0	1.09	0	0				0	10	

Sample ID: 1212209-01B PDS	Batch ID: 55279	TestNo: SW6020A	Units: mg/Kg-dry
SampType: PDS	Run ID: ICP-MS2_121226A	Analysis Date: 12/26/2012 9:01:00 PM	Prep Date: 12/26/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	57.5	1.09	54.74	5.504	95.0	80	120			
Barium	513	2.19	54.74	423.1	164	80	120			S
Cadmium	49.3	0.328	54.74	0.1339	89.9	80	120			
Chromium	57.8	2.19	54.74	4.557	97.3	80	120			
Copper	53.0	2.19	54.74	4.056	89.4	80	120			
Lead	59.4	0.328	54.74	2.305	104	80	120			
Manganese	97.4	2.19	54.74	42.70	99.9	80	120			
Silver	77.5	0.219	54.74	0	142	80	120			S

Sample ID: 1212209-01B MS	Batch ID: 55279	TestNo: SW6020A	Units: mg/Kg-dry
SampType: MS	Run ID: ICP-MS2_121226A	Analysis Date: 12/26/2012 9:07:00 PM	Prep Date: 12/26/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	57.7	1.09	54.74	5.504	95.4	80	120			
Barium	425	2.19	54.74	423.1	2.50	80	120			S
Cadmium	50.4	0.328	54.74	0.1339	91.8	80	120			
Chromium	56.6	2.19	54.74	4.557	95.1	80	120			
Copper	53.4	2.19	54.74	4.056	90.1	80	120			
Iron	3430	13.7	273.7	3254	65.0	80	120			S
Lead	59.9	0.328	54.74	2.305	105	80	120			
Manganese	92.1	2.19	54.74	42.70	90.2	80	120			
Silver	51.3	0.219	54.74	0	93.8	80	120			

Sample ID: 1212209-01B MSD	Batch ID: 55279	TestNo: SW6020A	Units: mg/Kg-dry
SampType: MSD	Run ID: ICP-MS2_121226A	Analysis Date: 12/26/2012 9:13:00 PM	Prep Date: 12/26/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	56.8	1.07	53.71	5.504	95.6	80	120	1.57	20	

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1212209
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_121226A

Sample ID: 1212209-01B MSD	Batch ID: 55279	TestNo: SW6020A				Units: mg/Kg-dry				
SampType: MSD	Run ID: ICP-MS2_121226A	Analysis Date: 12/26/2012 9:13:00 PM				Prep Date: 12/26/2012				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Barium	417	2.15	53.71	423.1	-11.9	80	120	1.84	20	S
Cadmium	49.4	0.322	53.71	0.1339	91.7	80	120	2.01	20	
Chromium	55.4	2.15	53.71	4.557	94.7	80	120	2.15	20	
Copper	53.3	2.15	53.71	4.056	91.6	80	120	0.278	20	
Iron	3590	13.4	268.5	3254	125	80	120	4.50	20	S
Lead	58.8	0.322	53.71	2.305	105	80	120	1.95	20	
Manganese	93.5	2.15	53.71	42.70	94.6	80	120	1.54	20	
Silver	50.0	0.215	53.71	0	93.2	80	120	2.55	20	

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1212209
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_121226A

Sample ID: CCV3-121226	Batch ID: R64108	TestNo: SW6020A	Units: mg/L
SampType: CCV	Run ID: ICP-MS2_121226A	Analysis Date: 12/26/2012 6:44:00 PM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.213	0.00500	0.200	0	106	90	110			
Barium	0.211	0.0100	0.200	0	105	90	110			
Cadmium	0.210	0.00100	0.200	0	105	90	110			
Chromium	0.212	0.00500	0.200	0	106	90	110			
Copper	0.210	0.0100	0.200	0	105	90	110			
Iron	5.08	0.100	5.00	0	102	90	110			
Lead	0.206	0.00100	0.200	0	103	90	110			
Manganese	0.212	0.0100	0.200	0	106	90	110			
Silver	0.206	0.00200	0.200	0	103	90	110			

Sample ID: CCV4-121226	Batch ID: R64108	TestNo: SW6020A	Units: mg/L
SampType: CCV	Run ID: ICP-MS2_121226A	Analysis Date: 12/26/2012 9:18:00 PM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.208	0.00500	0.200	0	104	90	110			
Barium	0.215	0.0100	0.200	0	107	90	110			
Cadmium	0.209	0.00100	0.200	0	104	90	110			
Chromium	0.210	0.00500	0.200	0	105	90	110			
Copper	0.200	0.0100	0.200	0	100	90	110			
Iron	4.90	0.100	5.00	0	98.0	90	110			
Lead	0.206	0.00100	0.200	0	103	90	110			
Manganese	0.213	0.0100	0.200	0	107	90	110			
Selenium	0.220	0.00500	0.200	0	110	90	110			
Silver	0.205	0.00200	0.200	0	102	90	110			

Sample ID: ICV1-121226	Batch ID: R64108	TestNo: SW6020A	Units: mg/L
SampType: ICV	Run ID: ICP-MS2_121226A	Analysis Date: 12/26/2012 1:05:00 PM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.0984	0.00500	0.100	0	98.4	90	110			
Barium	0.0998	0.0100	0.100	0	99.8	90	110			
Cadmium	0.102	0.00100	0.100	0	102	90	110			
Chromium	0.106	0.00500	0.100	0	106	90	110			
Copper	0.103	0.0100	0.100	0	103	90	110			
Iron	2.45	0.100	2.50	0	98.1	90	110			
Lead	0.0989	0.00100	0.100	0	98.9	90	110			
Manganese	0.101	0.0100	0.100	0	101	90	110			
Selenium	0.103	0.00500	0.100	0	103	90	110			
Silver	0.102	0.00200	0.100	0	102	90	110			

Qualifiers: B Analyte detected in the associated Method Blank J Analyte detected between MDL and RL ND Not Detected at the Method Detection Limit RL Reporting Limit J Analyte detected between SDL and RL	DF Dilution Factor MDL Method Detection Limit R RPD outside accepted control limits S Spike Recovery outside control limits N Parameter not NELAC certified
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CLIENT: Larson & Associates

Work Order: 1212209

Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_121227C

The QC data in batch 55279 applies to the following samples: 1212209-01B, 1212209-02B, 1212209-03B, 1212209-04B, 1212209-05B, 1212209-06B, 1212209-07B

Sample ID: MB-55279	Batch ID: 55279	TestNo: SW6020A	Units: mg/Kg
SampType: MBLK	Run ID: ICP-MS2_121227C	Analysis Date: 12/27/2012 8:08:00 PM	Prep Date: 12/26/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Selenium	ND	0.500								
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Sample ID: LCS-55279	Batch ID: 55279	TestNo: SW6020A	Units: mg/Kg							
SampType: LCS	Run ID: ICP-MS2_121227C	Analysis Date: 12/27/2012 8:14:00 PM	Prep Date: 12/26/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Selenium	48.2	0.500	50.00	0	96.3	80	120			
Zinc	48.8	2.50	50.00	0	97.7	80	120			

Sample ID: LCSD-55279	Batch ID: 55279	TestNo: SW6020A	Units: mg/Kg							
SampType: LCSD	Run ID: ICP-MS2_121227C	Analysis Date: 12/27/2012 8:20:00 PM	Prep Date: 12/26/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Selenium	48.1	0.500	50.00	0	96.2	80	120	0.051	20	
Zinc	50.3	2.50	50.00	0	101	80	120	2.88	20	

Sample ID: 1212209-01B SD	Batch ID: 55279	TestNo: SW6020A	Units: mg/Kg-dry							
SampType: SD	Run ID: ICP-MS2_121227C	Analysis Date: 12/27/2012 8:38:00 PM	Prep Date: 12/26/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Barium	411	54.7	0	409.5				0.467	10	
Cadmium	0	8.21	0	0				0	10	
Iron	3480	342	0	3310				5.04	10	
Lead	0	8.21	0	2.451				0	10	
Selenium	0	13.7	0	1.601				0	10	
Silver	0	5.47	0	0				0	10	
Zinc	0	68.4	0	11.26				0	10	

Sample ID: 1212209-01B PDS	Batch ID: 55279	TestNo: SW6020A	Units: mg/Kg-dry							
SampType: PDS	Run ID: ICP-MS2_121227C	Analysis Date: 12/27/2012 9:25:00 PM	Prep Date: 12/26/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Barium	691	10.9	273.7	409.5	103	80	120			
Cadmium	255	1.64	273.7	0	93.1	80	120			
Iron	9520	68.4	6843	3310	90.8	80	120			
Lead	265	1.64	273.7	2.451	96.0	80	120			
Selenium	265	2.74	273.7	1.601	96.3	80	120			
Silver	311	1.09	273.7	0	113	80	120			
Zinc	259	13.7	273.7	11.26	90.6	80	120			

Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

- DF Dilution Factor
- MDL Method Detection Limit
- R RPD outside accepted control limits
- S Spike Recovery outside control limits
- N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1212209
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_121227C

Sample ID: 1212209-01B MS	Batch ID: 55279	TestNo: SW6020A	Units: mg/Kg-dry							
SampType: MS	Run ID: ICP-MS2_121227C	Analysis Date: 12/27/2012 9:31:00 PM	Prep Date: 12/26/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Selenium	57.5	2.74	54.74	1.601	102	80	120			
Zinc	69.4	13.7	54.74	11.26	106	80	120			

Sample ID: 1212209-01B MSD	Batch ID: 55279	TestNo: SW6020A	Units: mg/Kg-dry							
SampType: MSD	Run ID: ICP-MS2_121227C	Analysis Date: 12/27/2012 9:37:00 PM	Prep Date: 12/26/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Selenium	56.4	2.69	53.71	1.601	102	80	120	1.81	20	
Zinc	63.8	13.4	53.71	11.26	97.9	80	120	8.31	20	

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Larson & Associates

Work Order: 1212209

Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_121227C

Sample ID: ICV1-121227	Batch ID: R64128	TestNo: SW6020A	Units: mg/L
SampType: ICV	Run ID: ICP-MS2_121227C	Analysis Date: 12/27/2012 2:02:00 PM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.0988	0.00500	0.100	0	98.8	90	110			
Barium	0.0978	0.0100	0.100	0	97.8	90	110			
Cadmium	0.0998	0.00100	0.100	0	99.8	90	110			
Chromium	0.106	0.00500	0.100	0	106	90	110			
Copper	0.107	0.0100	0.100	0	107	90	110			
Iron	2.49	0.100	2.50	0	99.4	90	110			
Lead	0.0960	0.00100	0.100	0	96.0	90	110			
Manganese	0.0990	0.0100	0.100	0	99.0	90	110			
Selenium	0.102	0.00500	0.100	0	102	90	110			
Silver	0.101	0.00200	0.100	0	101	90	110			
Zinc	0.106	0.00500	0.100	0	106	90	110			

Sample ID: CCV2-121227	Batch ID: R64128	TestNo: SW6020A	Units: mg/L
SampType: CCV	Run ID: ICP-MS2_121227C	Analysis Date: 12/27/2012 7:09:00 PM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.204	0.00500	0.200	0	102	90	110			
Barium	0.209	0.0100	0.200	0	105	90	110			
Cadmium	0.203	0.00100	0.200	0	101	90	110			
Chromium	0.207	0.00500	0.200	0	103	90	110			
Copper	0.202	0.0100	0.200	0	101	90	110			
Iron	4.95	0.100	5.00	0	99.0	90	110			
Lead	0.202	0.00100	0.200	0	101	90	110			
Manganese	0.209	0.0100	0.200	0	105	90	110			
Selenium	0.217	0.00500	0.200	0	109	90	110			
Silver	0.203	0.00200	0.200	0	102	90	110			
Zinc	0.211	0.00500	0.200	0	106	90	110			

Sample ID: CCV3-121227	Batch ID: R64128	TestNo: SW6020A	Units: mg/L
SampType: CCV	Run ID: ICP-MS2_121227C	Analysis Date: 12/27/2012 9:43:00 PM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Barium	0.208	0.0100	0.200	0	104	90	110			
Cadmium	0.202	0.00100	0.200	0	101	90	110			
Iron	4.99	0.100	5.00	0	99.7	90	110			
Lead	0.200	0.00100	0.200	0	100	90	110			
Selenium	0.220	0.00500	0.200	0	110	90	110			
Silver	0.201	0.00200	0.200	0	101	90	110			
Zinc	0.211	0.00500	0.200	0	106	90	110			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1212209
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_121227C

Sample ID: CCV4-121227	Batch ID: R64128	TestNo: SW6020A	Units: mg/L
SampType: CCV	Run ID: ICP-MS2_121227C	Analysis Date: 12/28/2012 12:34:00 A	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Barium	0.208	0.0100	0.200	0	104	90	110			
Cadmium	0.200	0.00100	0.200	0	100	90	110			
Lead	0.200	0.00100	0.200	0	99.8	90	110			
Selenium	0.215	0.00500	0.200	0	107	90	110			
Silver	0.201	0.00200	0.200	0	100	90	110			
Zinc	0.205	0.00500	0.200	0	103	90	110			

Sample ID: CCV5-121227	Batch ID: R64128	TestNo: SW6020A	Units: mg/L
SampType: CCV	Run ID: ICP-MS2_121227C	Analysis Date: 12/28/2012 3:25:00 AM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Barium	0.208	0.0100	0.200	0	104	90	110			
Cadmium	0.197	0.00100	0.200	0	98.6	90	110			
Lead	0.199	0.00100	0.200	0	99.4	90	110			
Selenium	0.219	0.00500	0.200	0	110	90	110			
Silver	0.198	0.00200	0.200	0	98.9	90	110			
Zinc	0.213	0.00500	0.200	0	106	90	110			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: Larson & Associates

Work Order: 1212209

Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3_121228B

The QC data in batch 55279 applies to the following samples: 1212209-01B, 1212209-02B, 1212209-03B, 1212209-04B, 1212209-05B, 1212209-06B, 1212209-07B

Sample ID: MB-55279	Batch ID: 55279	TestNo: SW6020A	Units: mg/Kg							
SampType: MBLK	Run ID: ICP-MS3_121228B	Analysis Date: 12/28/2012 1:06:00 PM	Prep Date: 12/26/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Zinc	ND	2.50								

Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

- DF Dilution Factor
- MDL Method Detection Limit
- R RPD outside accepted control limits
- S Spike Recovery outside control limits
- N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1212209
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3_121228B

Sample ID: ICV1-121228	Batch ID: R64149	TestNo: SW6020A	Units: mg/L							
SampType: ICV	Run ID: ICP-MS3_121228B	Analysis Date: 12/28/2012 11:49:00 A	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Zinc	0.101	0.00500	0.100	0	101	90	110			
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Sample ID: CCV1-121228	Batch ID: R64149	TestNo: SW6020A	Units: mg/L							
SampType: CCV	Run ID: ICP-MS3_121228B	Analysis Date: 12/28/2012 1:28:00 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Zinc	0.209	0.00500	0.200	0	104	90	110			
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Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

- DF Dilution Factor
- MDL Method Detection Limit
- R RPD outside accepted control limits
- S Spike Recovery outside control limits
- N Parameter not NELAC certified

CLIENT: Larson & Associates

Work Order: 1212209

Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: IC_121227A

The QC data in batch 55330 applies to the following samples: 1212209-01C, 1212209-02C, 1212209-03C, 1212209-04C, 1212209-05C, 1212209-06C, 1212209-07C, 1212209-08B, 1212209-09B, 1212209-10B, 1212209-11B, 1212209-12B, 1212209-13B, 1212209-14B, 1212209-15B

Sample ID: LCS-55330	Batch ID: 55330	TestNo: E300	Units: mg/Kg							
SampType: LCS	Run ID: IC_121227A	Analysis Date: 12/27/2012 9:56:50 AM	Prep Date: 12/27/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Chloride	52.1	5.00	50.00	0	104	80	120			
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Sample ID: LCSD-55330	Batch ID: 55330	TestNo: E300	Units: mg/Kg							
SampType: LCSD	Run ID: IC_121227A	Analysis Date: 12/27/2012 10:11:26 A	Prep Date: 12/27/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Chloride	52.2	5.00	50.00	0	104	80	120	0.199	20	
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Sample ID: MB-55330	Batch ID: 55330	TestNo: E300	Units: mg/Kg							
SampType: MBLK	Run ID: IC_121227A	Analysis Date: 12/27/2012 10:26:02 A	Prep Date: 12/27/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Chloride	ND	5.00								
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Sample ID: 1212209-01C MS	Batch ID: 55330	TestNo: E300	Units: mg/Kg-dry							
SampType: MS	Run ID: IC_121227A	Analysis Date: 12/27/2012 10:58:53 A	Prep Date: 12/27/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Chloride	126	5.63	56.26	67.24	104	80	120			
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Sample ID: 1212209-01C MSD	Batch ID: 55330	TestNo: E300	Units: mg/Kg-dry							
SampType: MSD	Run ID: IC_121227A	Analysis Date: 12/27/2012 11:13:30 A	Prep Date: 12/27/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Chloride	126	5.63	56.26	67.24	104	80	120	0.292	20	
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Sample ID: 1212209-11B MS	Batch ID: 55330	TestNo: E300	Units: mg/Kg-dry							
SampType: MS	Run ID: IC_121227A	Analysis Date: 12/27/2012 3:28:39 PM	Prep Date: 12/27/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Chloride	67.5	5.29	52.88	11.83	105	80	120			
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Sample ID: 1212209-11B MSD	Batch ID: 55330	TestNo: E300	Units: mg/Kg-dry							
SampType: MSD	Run ID: IC_121227A	Analysis Date: 12/27/2012 3:43:15 PM	Prep Date: 12/27/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Chloride	67.5	5.29	52.88	11.83	105	80	120	0.002	20	
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Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

- DF Dilution Factor
- MDL Method Detection Limit
- R RPD outside accepted control limits
- S Spike Recovery outside control limits
- N Parameter not NELAC certified

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CLIENT: Larson & Associates
Work Order: 1212209
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: IC_121227A

Sample ID: ICV-121227	Batch ID: R64106	TestNo: E300	Units: mg/Kg							
SampType: ICV	Run ID: IC_121227A	Analysis Date: 12/27/2012 9:11:32 AM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Chloride	27.3	5.00	25.00	0	109	90	110			
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Sample ID: CCV1-121227	Batch ID: R64106	TestNo: E300	Units: mg/Kg							
SampType: CCV	Run ID: IC_121227A	Analysis Date: 12/27/2012 12:26:39 P	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Chloride	10.5	5.00	10.00	0	105	90	110			
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Sample ID: CCV2-121227	Batch ID: R64106	TestNo: E300	Units: mg/Kg							
SampType: CCV	Run ID: IC_121227A	Analysis Date: 12/27/2012 3:10:23 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Chloride	10.5	5.00	10.00	0	105	90	110			
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Sample ID: CCV3-121227	Batch ID: R64106	TestNo: E300	Units: mg/Kg							
SampType: CCV	Run ID: IC_121227A	Analysis Date: 12/27/2012 5:13:15 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Chloride	10.5	5.00	10.00	0	105	90	110			
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Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

- DF Dilution Factor
- MDL Method Detection Limit
- R RPD outside accepted control limits
- S Spike Recovery outside control limits
- N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1212209
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: IR207_130102A

Sample ID: ICV-130102	Batch ID: 418_S-01/02/2013	TestNo: E418.1	Units: mg/Kg							
SampType: ICV	Run ID: IR207_130102A	Analysis Date: 1/2/2013 10:15:00 AM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	264	10.0	250.0	0	106	90	110			N

Sample ID: CCV1-130102	Batch ID: 418_S-01/02/2013	TestNo: E418.1	Units: mg/Kg							
SampType: CCV	Run ID: IR207_130102A	Analysis Date: 1/2/2013 10:15:00 AM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	265	10.0	250.0	0	106	85	115			N

Sample ID: CCV2-130102	Batch ID: 418_S-01/02/2013	TestNo: E418.1	Units: mg/Kg							
SampType: CCV	Run ID: IR207_130102A	Analysis Date: 1/2/2013 10:15:00 AM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	266	10.0	250.0	0	106	85	115			N

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1212209
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: IR207_130102A

The QC data in batch 55367 applies to the following samples: 1212209-01A, 1212209-02A, 1212209-03A, 1212209-04A, 1212209-05A, 1212209-06A, 1212209-07A, 1212209-08A, 1212209-09A, 1212209-10A, 1212209-11A, 1212209-12A, 1212209-13A, 1212209-14A, 1212209-15A

Sample ID: LCS-55367	Batch ID: 55367	TestNo: E418.1	Units: mg/Kg
SampType: LCS	Run ID: IR207_130102A	Analysis Date: 1/2/2013 10:15:00 AM	Prep Date: 1/2/2013

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	97.5	10.0	100.0	0	97.5	80	120			N

Sample ID: MB-55367	Batch ID: 55367	TestNo: E418.1	Units: mg/Kg
SampType: MBLK	Run ID: IR207_130102A	Analysis Date: 1/2/2013 10:15:00 AM	Prep Date: 1/2/2013

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	ND	10.0								N

Sample ID: 1212209-01A MS	Batch ID: 55367	TestNo: E418.1	Units: mg/Kg-dry
SampType: MS	Run ID: IR207_130102A	Analysis Date: 1/2/2013 10:15:00 AM	Prep Date: 1/2/2013

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	103	11.3	113.4	0	90.6	80	120			N

Sample ID: 1212209-01A MSD	Batch ID: 55367	TestNo: E418.1	Units: mg/Kg-dry
SampType: MSD	Run ID: IR207_130102A	Analysis Date: 1/2/2013 10:15:00 AM	Prep Date: 1/2/2013

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	101	11.4	113.9	0	88.7	80	120	1.69	20	N

Qualifiers:	B	Analyte detected in the associated Method Blank	DF	Dilution Factor
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
	RL	Reporting Limit	S	Spike Recovery outside control limits
	J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1212209
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: PMOIST_121227B

The QC data in batch 55346 applies to the following samples: 1212209-01B, 1212209-02B, 1212209-03B, 1212209-04B, 1212209-05B, 1212209-06B, 1212209-07B, 1212209-08B, 1212209-09B, 1212209-10B

Sample ID: 1212200-01A-DUP	Batch ID: 55346	TestNo: D2216	Units: WT%							
SampType: DUP	Run ID: PMOIST_121227B	Analysis Date: 12/28/2012 8:35:00 AM	Prep Date: 12/27/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Percent Moisture	12.8	0	0	11.43				11.5	30	

Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

- DF Dilution Factor
- MDL Method Detection Limit
- R RPD outside accepted control limits
- S Spike Recovery outside control limits
- N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1212209
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: PMOIST_121228A

The QC data in batch 55360 applies to the following samples: 1212209-11B, 1212209-12B, 1212209-13B, 1212209-14B, 1212209-15B

Sample ID: 1212209-11B-DUP		Batch ID: 55360		TestNo: D2216		Units: WT%				
SampType: DUP		Run ID: PMOIST_121228A		Analysis Date: 1/2/2012 8:55:00 AM		Prep Date: 12/28/2012				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Percent Moisture	6.12	0	0	6.002				1.99	30	

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified



July 25, 2012

Coty Woolf
Larson & Associates
507 N. Marienfeld #200
Midland, TX 79701
TEL: (432) 687-0901
FAX (432) 687-0456
RE: Chevron Landfarm

Order No.: 1207156

Dear Coty Woolf:

DHL Analytical received 1 sample(s) on 7/18/2012 for the analyses presented in the following report.

There were no problems with the analyses and all data met requirements of NELAC except where noted in the Case Narrative. All non-NELAC methods will be identified accordingly in the case narrative and all estimated uncertainties of test results are within method or EPA specifications.

If you have any questions regarding these tests results, please feel free to call. Thank you for using DHL Analytical.

Sincerely,

John DuPont
General Manager

This report was performed under the accreditation of the State of Texas Laboratory Certification
Number: T104704211-12-8



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Larson &
ssociates, Inc.
Environmental Consultants

Data Reported to: Coty Woolf

DATE: 6-27-2012 PAGE 1 OF 1
PO #: _____ LAB WORK ORDER #: 1206374
PROJECT LOCATION OR NAME: Chevron Landfill
LAI PROJECT #: 6-0137 COLLECTOR: JC/ER

DHL Analytical

Sample Receipt Checklist

Client Name **Larson & Associates**

Date Received: **7/18/2012**

Work Order Number **1207158**

Received by **JB**

Checklist completed by: *J. Barker* **7/18/2012**
Signature Date

Reviewed by *SS* **7/18/2012**
Initials Date

Carrier name: LoneStar

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☒	Not Present ☐
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	3.5 °C
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☒
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☒

Adjusted? _____ Checked by _____

Any No response must be detailed in the comments section below.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

DHL Analytical**Date:** 25-Jul-12

CLIENT: Larson & Associates
Project: Chevron Landfarm
Lab Order: 1207156

CASE NARRATIVE

Sample was analyzed using the methods outlined in the following references:

Method SW6020 - Metals Analysis

LOG IN

The samples were received and log-in performed on 6/28/2012. A total of 1 sample was added onto DHL WO# 1206276, per the client's request. The sample arrived in good condition and was properly packaged. All method blanks, sample duplicates, laboratory spikes, and/or matrix spikes met quality assurance objectives. The Percent Moisture was performed and used from analysis of original workorder.

DHL Analytical**Date:** 25-Jul-12

CLIENT: Larson & Associates
Project: Chevron Landfarm
Lab Order: 1207156

Work Order Sample Summary

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recved
1207156-01	26 (5-6)		06/26/12 12:45 PM	7/18/2012

Lab Order: 1207156
Client: Larson & Associates
Project: Chevron Landfarm

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1207156-01A	26 (5-6)	06/26/12 12:45 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	07/20/12 09:00 AM	52827
	26 (5-6)	06/26/12 12:45 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	07/20/12 09:00 AM	52827

Lab Order: 1207156
Client: Larson & Associates
Project: Chevron Landfarm

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1207156-01A	26 (5-6)	Soil	SW6020	Trace Metals: ICP-MS - Solid	52827	50	07/23/12 06:36 PM	ICP-MS2_120723A
	26 (5-6)	Soil	SW6020	Trace Metals: ICP-MS - Solid	52827	5	07/21/12 03:18 AM	ICP-MS2_120720A

DHL Analytical

Date: 25-Jul-12

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0317
Lab Order: 1207156

Client Sample ID: 26 (5-6)
Lab ID: 1207156-01
Collection Date: 06/26/12 12:45 PM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TRACE METALS: ICP-MS - SOLID		SW6020					Analyst: AJR
Barium	2630	5.79	23.2		mg/Kg-dry	50	07/23/12 06:36 PM

Qualifiers:

- * Value exceeds TCLP Maximum Concentration Level
- C Sample Result or QC discussed in the Case Narrative
- E TPH pattern not Gas or Diesel Range Pattern
- MDL Method Detection Limit
- RL Reporting Limit
- N Parameter not NELAC certified

- B Analyte detected in the associated Method Blank
- DF Dilution Factor
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- S Spike Recovery outside control limits

Page 1 of 1

CLIENT: Larson & Associates

Work Order: 1207156

Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_120720A

The QC data in batch 52827 applies to the following samples: 1207156-01A

Sample ID: MB-52827	Batch ID: 52827	TestNo: SW6020	Units: mg/Kg
SampType: MBLK	Run ID: ICP-MS2_120720A	Analysis Date: 7/20/2012 11:33:00 PM	Prep Date: 7/20/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Barium	ND	2.00								

Sample ID: LCS-52827	Batch ID: 52827	TestNo: SW6020	Units: mg/Kg
SampType: LCS	Run ID: ICP-MS2_120720A	Analysis Date: 7/20/2012 11:57:00 PM	Prep Date: 7/20/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Barium	51.7	2.00	50.00	0	103	80	120			

Sample ID: LCSD-52827	Batch ID: 52827	TestNo: SW6020	Units: mg/Kg
SampType: LCSD	Run ID: ICP-MS2_120720A	Analysis Date: 7/21/2012 12:03:00 AM	Prep Date: 7/20/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Barium	50.6	2.00	50.00	0	101	80	120	2.20	20	

Sample ID: 1207096-01A SD	Batch ID: 52827	TestNo: SW6020	Units: mg/Kg-dry
SampType: SD	Run ID: ICP-MS2_120720A	Analysis Date: 7/21/2012 12:21:00 AM	Prep Date: 7/20/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Barium	130	13.3	0	134.0				2.71	10	

Sample ID: 1207096-01A PDS	Batch ID: 52827	TestNo: SW6020	Units: mg/Kg-dry
SampType: PDS	Run ID: ICP-MS2_120720A	Analysis Date: 7/21/2012 1:20:00 AM	Prep Date: 7/20/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Barium	202	2.67	66.67	134.0	102	75	125			

Sample ID: 1207096-01A MS	Batch ID: 52827	TestNo: SW6020	Units: mg/Kg-dry
SampType: MS	Run ID: ICP-MS2_120720A	Analysis Date: 7/21/2012 1:26:00 AM	Prep Date: 7/20/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Barium	207	2.72	67.95	134.0	107	80	120			

Sample ID: 1207096-01A MSD	Batch ID: 52827	TestNo: SW6020	Units: mg/Kg-dry
SampType: MSD	Run ID: ICP-MS2_120720A	Analysis Date: 7/21/2012 1:31:00 AM	Prep Date: 7/20/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Barium	206	2.77	69.28	134.0	104	80	120	0.372	20	

Qualifiers: B Analyte detected in the associated Method Blank
 J Analyte detected between MDL and RL
 ND Not Detected at the Method Detection Limit
 RL Reporting Limit
 J Analyte detected between SDL and RL

DF Dilution Factor
 MDL Method Detection Limit
 R RPD outside accepted control limits
 S Spike Recovery outside control limits
 N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1207156
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_120720A

Sample ID: ICV1-120720	Batch ID: R61543	TestNo: SW6020	Units: mg/L
SampType: ICV	Run ID: ICP-MS2_120720A	Analysis Date: 7/20/2012 5:30:00 PM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Barium	0.0958	0.0100	0.100	0	95.8	90	110			

Sample ID: CCV2-120720	Batch ID: R61543	TestNo: SW6020	Units: mg/L
SampType: CCV	Run ID: ICP-MS2_120720A	Analysis Date: 7/20/2012 10:45:00 PM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Barium	0.197	0.0100	0.200	0	98.4	90	110			

Sample ID: CCV3-120720	Batch ID: R61543	TestNo: SW6020	Units: mg/L
SampType: CCV	Run ID: ICP-MS2_120720A	Analysis Date: 7/21/2012 1:43:00 AM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Barium	0.197	0.0100	0.200	0	98.4	90	110			

Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

- DF Dilution Factor
- MDL Method Detection Limit
- R RPD outside accepted control limits
- S Spike Recovery outside control limits
- N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1207156
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_120723A

Sample ID: LCVL-120723	Batch ID: R61565	TestNo: SW6020	Units: mg/L
SampType: LCVL	Run ID: ICP-MS2_120723A	Analysis Date: 7/23/2012 12:42:00 PM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Barium	0.00443	0.0100	0.00500	0	88.6	70	130			

Sample ID: LCVL3-120723	Batch ID: R61565	TestNo: SW6020	Units: mg/L
SampType: LCVL	Run ID: ICP-MS2_120723A	Analysis Date: 7/23/2012 8:05:00 PM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Barium	0.00464	0.0100	0.00500	0	92.8	70	130			

Sample ID: ICV1-120723	Batch ID: R61565	TestNo: SW6020	Units: mg/L
SampType: ICV	Run ID: ICP-MS2_120723A	Analysis Date: 7/23/2012 12:30:00 PM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Barium	0.0956	0.0100	0.100	0	95.6	90	110			

Sample ID: CCV2-120723	Batch ID: R61565	TestNo: SW6020	Units: mg/L
SampType: CCV	Run ID: ICP-MS2_120723A	Analysis Date: 7/23/2012 5:07:00 PM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Barium	0.193	0.0100	0.200	0	96.4	90	110			

Sample ID: CCV3-120723	Batch ID: R61565	TestNo: SW6020	Units: mg/L
SampType: CCV	Run ID: ICP-MS2_120723A	Analysis Date: 7/23/2012 7:29:00 PM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Barium	0.189	0.0100	0.200	0	94.4	90	110			

Qualifiers: B Analyte detected in the associated Method Blank J Analyte detected between MDL and RL ND Not Detected at the Method Detection Limit RL Reporting Limit J Analyte detected between SDL and RL	DF Dilution Factor MDL Method Detection Limit R RPD outside accepted control limits S Spike Recovery outside control limits N Parameter not NELAC certified
--	---



July 11, 2012

Mark Larson
Larson & Associates
507 N. Marienfeld #200
Midland, TX 79701

TEL: (432) 687-0901

FAX (432) 687-0456

RE: Chevron Landfarm

Order No.: 1206276

Dear Mark Larson:

DHL Analytical received 15 sample(s) on 6/28/2012 for the analyses presented in the following report.

There were no problems with the analyses and all data met requirements of NELAC except where noted in the Case Narrative. All non-NELAC methods will be identified accordingly in the case narrative and all estimated uncertainties of test results are within method or EPA specifications.

If you have any questions regarding these tests results, please feel free to call. Thank you for using DHL Analytical.

Sincerely,

John DuPont
General Manager

This report was performed under the accreditation of the State of Texas Laboratory Certification
Number: T104704211-12-8



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CHAIN-OF-CUSTODY

Arson & Associates, Inc.
Environmental Consultants

507 N. Marienfeld, Ste. 200
Midland, TX 79701
432-687-0901

DATE: 6-27-2012 PAGE 1 OF 1
PO #: _____ LAB WORK ORDER #: 1206274
PROJECT LOCATION OR NAME: Chevron Landfarm
LAI PROJECT #: 6-0137 COLLECTOR: JC/RB

Data Reported to: Coty Woolf

TRRP report? ☐ Yes ☒ No		S=SOIL W=WATER A=AIR		P=PAINT SL=SLUDGE OT=OTHER		PRESERVATION		ANALYSES												FIELD NOTES					
TIME ZONE: Time zone/State: <u>Texas</u>		Lab #	Date	Time	Matrix	# of Containers	HCl	HNO ₃	H ₂ SO ₄ □ NaOH □	ICE	UNPRESERVED	☒ BTEX ☒ MTBE ☒ TPH 4 & 10 ☒ TPH 1005 ☒ TPH 1006 ☒ ☒ GASOLINE MOD 801 ☒ DIESEL - MOD 801 ☒ VOC 8260 ☒ SVOC 8270 ☒ PAH 8270 ☒ HOPPAH ☒ 8081 PESTICIDES ☒ 8082 PCBs ☒ TOLP - METALS (ROR) ☒ 8151 HERBICIDES ☒ TOLP - PEST ☒ HERB ☒ TOLP VOC ☒ LEAD - TOTAL ☒ HERB ☒ TOLP VOC ☒ RC ☒ TOX ☒ D.W. 200.8 ☒ TOLP ☒ TDS ☒ TSS ☒ % MOISTURE ☒ OTHER LIST ☒ PH ☒ HEXAVALENT CHROMIUM ☒ EXPLOSIVES ☒ PECHLORATE ☒ CHLORIDE ANIONS ☒ ALKALINITY ☒ SULFATE ☒												FIELD NOTES	
17 (0-1)	01											6/27	0959	S	3					X	X	X	X	X	X
18 (0-1)	02		1005	S	3																				
19 (0-1)	03		1010	S	3																				
20 (0-1)	04		1014	S	3																				
21 (0-1)	05		1021	S	3																				
25 (0-1)	06		1025	S	3																				
26 (0-1)	07		1031	S	3																				
Dup (0-1)	08		1035	S	3																				
25 (5-6)	09	6/28	1300	S	2																				
21 (5-6)	10		1230	S	2																				
26 (5-6)	11		1245	S	2																				
17 (5-6)	12		1215	S	2																				
19 (5-6)	13		1145	S	2																				
18 (5-6)	14		1200	S	2																				
20 (5-6)	15		1130	S	2																				
TOTAL																									
RELINQUISHED BY: (Signature) <u>Jeremy Cannady</u>		DATE/TIME <u>6/27 1600</u>		RECEIVED BY: (Signature) <u>Donester</u>		TURN AROUND TIME NORMAL ☒ 1 DAY ☐ 2 DAY ☐ OTHER ☐		LABORATORY USE ONLY: RECEIVING TEMP: <u>3.5</u> THERM #: <u>57</u> CUSTODY SEALS - ☐ BROKEN ☒ INTACT ☐ NOT USED CARRIER BILL # <u>Donester</u> ☐ HAND DELIVERED																	
RELINQUISHED BY: (Signature) <u>Donester</u>		DATE/TIME <u>6/28/12 830</u>		RECEIVED BY: (Signature) <u>Donester</u>																					
RELINQUISHED BY: (Signature)		DATE/TIME		RECEIVED BY: (Signature)																					

6/27/12

<https://www.iso.com/airbillhardcopy.asp>



Airbill No. Z8783432

Lone Star Overnight
800.800.8984
www.iso.com

To: SAMPLE RECEIVING
DHL ANALYTICAL
2300 DOUBLE CREEK DRIVE
ROUND ROCK, TX 78664
(512) 388 - 8222

From: JEREMY CANNADY
LARSON & ASSOCIATES INC.
507 N. MARIENFELD
SUITE 200
MIDLAND, TX 79701
(432) 687 - 0901

Service Type: By 10:30am
1D00V

AUS

By 10:30am

QuickCode: DHL

CUSTODY SEAL

DATE

6-27-2012

SIGNATURE

Jeremy Car

QEC

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

DHL Analytical

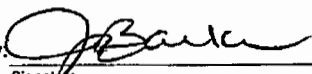
Sample Receipt Checklist

Client Name **Larson & Associates**

Date Received: **6/28/2012**

Work Order Number **1206278**

Received by **JB**

Checklist completed by: 

6/28/2012

Signature

Date

Reviewed by 

6/28/2012

Initials

Date

Carrier name: LoneStar

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	3.5 °C
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☒
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☒

Adjusted? _____ Checked by _____

Any No response must be detailed in the comments section below.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

DHL Analytical

Date: 11-Jul-12

CLIENT: Larson & Associates
Project: Chevron Landfarm
Lab Order: 1206276

CASE NARRATIVE

Sample was analyzed using the methods outlined in the following references:

Method SW8021B - Volatile Organics by GC
Method SW6020 - Metals Analysis
Method SW7470A - Mercury Analysis
Method E300 - Anions Analysis
Method SW8015D - DRO Analysis
Method SW8015V - GRO Analysis
Method E418.1 - TRPH Analysis (This parameter is not NELAC certified)
Method D2216 - Percent Moisture

LOG IN

The samples were received and log-in performed on 6/28/2012. A total of 15 samples were received and analyzed. The samples arrived in good condition and were properly packaged.

DRO ANALYSIS

For DRO Analysis, the recovery of surrogate Isopropylbenzene for the Method Blank (MB-52524), Matrix Spike and Matrix Spike Duplicate (1206276-10, -14 MS/MSD) was below the method control limits. These were flagged accordingly in the QC Summary Report. The remaining surrogate for these samples were within method control limits. No further corrective action was taken.

For DRO Analysis, the recovery of surrogate Octacosane for Sample 21 (0-1) was slightly above the method control limits. This was flagged accordingly in the Analytical Data Report. The remaining surrogate for this sample was within method control limits. No further corrective action was taken.

METALS ANALYSIS

For Metals Analysis, the recoveries of Barium and Iron for the Matrix Spike (1206276-02 MS) were outside of the method control limits. These are flagged accordingly in the QC Summary report. These analytes were within method control limits in the associated LCS. The sample selected for the matrix spike and matrix spike duplicate was from this work order. No further corrective actions were taken.

For Metals Analysis, the RPD's of Selenium and Iron for the Serial Dilution (1206276-02 SD) were above the method control limits. These are flagged accordingly in the QC Summary report. These analytes were within method control limits in the associated PDS. The sample selected for the matrix spike and matrix spike duplicate was from this work order. No further corrective actions were taken.

For Metals Analysis, Lead was detected at less than one half of the Reporting limit for Method Blank-

CLIENT: Larson & Associates
Project: Chevron Landfarm
Lab Order: 1206276

CASE NARRATIVE

52515. This analyte might be biased high in some of the associated samples. No further corrective actions were taken.

VOLATILE ORGANICS BY GC ANALYSIS

For Volatiles Organics by GC Analysis, the samples were collected in 4 ounce soil jars. Per the client's request, the laboratory proceeded with analysis.

DHL Analytical**Date:** 11-Jul-12

CLIENT: Larson & Associates
Project: Chevron Landfarm
Lab Order: 1206276**Work Order Sample Summary**

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recved
1206276-01	17 (0-1)		06/27/12 09:59 AM	6/28/2012
1206276-02	18 (0-1)		06/27/12 10:05 AM	6/28/2012
1206276-03	19 (0-1)		06/27/12 10:10 AM	6/28/2012
1206276-04	20 (0-1)		06/27/12 10:14 AM	6/28/2012
1206276-05	21 (0-1)		06/27/12 10:21 AM	6/28/2012
1206276-06	25 (0-1)		06/27/12 10:25 AM	6/28/2012
1206276-07	26 (0-1)		06/27/12 10:31 AM	6/28/2012
1206276-08	DUP (0-1)		06/27/12 10:35 AM	6/28/2012
1206276-09	25 (5-6)		06/26/12 01:00 PM	6/28/2012
1206276-10	21 (5-6)		06/26/12 12:30 PM	6/28/2012
1206276-11	26 (5-6)		06/26/12 12:45 PM	6/28/2012
1206276-12	17 (5-6)		06/26/12 12:15 PM	6/28/2012
1206276-13	19 (5-6)		06/26/12 11:45 AM	6/28/2012
1206276-14	18 (5-6)		06/26/12 12:00 PM	6/28/2012
1206276-15	20 (5-6)		06/26/12 11:30 AM	6/28/2012

Lab Order: 1206276
 Client: Larson & Associates
 Project: Chevron Landfarm

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1206276-01A	17 (0-1)	06/27/12 09:59 AM	Soil	SW5030A	Purge and Trap Soils GC	06/28/12 11:07 AM	52516
	17 (0-1)	06/27/12 09:59 AM	Soil	SW5030A	Purge and Trap Soils GC- Gas	07/02/12 09:30 AM	52519
	17 (0-1)	06/27/12 09:59 AM	Soil	SW3550B	Soil Prep Sonication: TRPH	07/09/12 08:35 AM	52626
1206276-01B	17 (0-1)	06/27/12 09:59 AM	Soil	SW7471A	Mercury Soil Prep, Total	06/29/12 09:00 AM	52523
	17 (0-1)	06/27/12 09:59 AM	Soil	D2216	Moisture Preparation	07/09/12 05:15 PM	52641
	17 (0-1)	06/27/12 09:59 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	06/29/12 09:00 AM	52515
	17 (0-1)	06/27/12 09:59 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	06/29/12 09:00 AM	52515
1206276-01C	17 (0-1)	06/27/12 09:59 AM	Soil	E300	Anion Prep	06/29/12 02:26 PM	52547
	17 (0-1)	06/27/12 09:59 AM	Soil	SW3550C	Soil Prep Sonication: DRO	06/28/12 12:59 PM	52524
1206276-02A	18 (0-1)	06/27/12 10:05 AM	Soil	SW5030A	Purge and Trap Soils GC	06/28/12 11:07 AM	52516
	18 (0-1)	06/27/12 10:05 AM	Soil	SW5030A	Purge and Trap Soils GC- Gas	07/02/12 09:30 AM	52519
	18 (0-1)	06/27/12 10:05 AM	Soil	SW3550B	Soil Prep Sonication: TRPH	07/09/12 08:35 AM	52626
1206276-02B	18 (0-1)	06/27/12 10:05 AM	Soil	SW7471A	Mercury Soil Prep, Total	06/29/12 09:00 AM	52523
	18 (0-1)	06/27/12 10:05 AM	Soil	D2216	Moisture Preparation	07/09/12 05:15 PM	52641
	18 (0-1)	06/27/12 10:05 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	06/29/12 09:00 AM	52515
	18 (0-1)	06/27/12 10:05 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	06/29/12 09:00 AM	52515
1206276-02C	18 (0-1)	06/27/12 10:05 AM	Soil	E300	Anion Prep	06/29/12 02:26 PM	52547
	18 (0-1)	06/27/12 10:05 AM	Soil	SW3550C	Soil Prep Sonication: DRO	06/28/12 12:59 PM	52524
	18 (0-1)	06/27/12 10:05 AM	Soil	SW3550C	Soil Prep Sonication: DRO	06/28/12 12:59 PM	52524
1206276-03A	19 (0-1)	06/27/12 10:10 AM	Soil	SW5030A	Purge and Trap Soils GC	06/28/12 11:07 AM	52516
	19 (0-1)	06/27/12 10:10 AM	Soil	SW5030A	Purge and Trap Soils GC- Gas	07/02/12 09:30 AM	52519
	19 (0-1)	06/27/12 10:10 AM	Soil	SW3550B	Soil Prep Sonication: TRPH	07/09/12 08:35 AM	52626
1206276-03B	19 (0-1)	06/27/12 10:10 AM	Soil	SW7471A	Mercury Soil Prep, Total	06/29/12 09:00 AM	52523
	19 (0-1)	06/27/12 10:10 AM	Soil	D2216	Moisture Preparation	07/09/12 05:15 PM	52641
	19 (0-1)	06/27/12 10:10 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	06/29/12 09:00 AM	52515
	19 (0-1)	06/27/12 10:10 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	06/29/12 09:00 AM	52515
1206276-03C	19 (0-1)	06/27/12 10:10 AM	Soil	E300	Anion Prep	06/29/12 02:26 PM	52547
	19 (0-1)	06/27/12 10:10 AM	Soil	SW3550C	Soil Prep Sonication: DRO	06/28/12 12:59 PM	52524

Lab Order: 1206276
 Client: Larson & Associates
 Project: Chevron Landfarm

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1206276-03C	19 (0-1)	06/27/12 10:10 AM	Soil	SW3550C	Soil Prep Sonication: DRO	06/28/12 12:59 PM	52524
1206276-04A	20 (0-1)	06/27/12 10:14 AM	Soil	SW5030A	Purge and Trap Soils GC	06/28/12 11:07 AM	52516
	20 (0-1)	06/27/12 10:14 AM	Soil	SW5030A	Purge and Trap Soils GC- Gas	07/02/12 09:30 AM	52519
	20 (0-1)	06/27/12 10:14 AM	Soil	SW3550B	Soil Prep Sonication: TRPH	07/09/12 08:35 AM	52626
1206276-04B	20 (0-1)	06/27/12 10:14 AM	Soil	SW7471A	Mercury Soil Prep, Total	06/29/12 09:00 AM	52523
	20 (0-1)	06/27/12 10:14 AM	Soil	D2216	Moisture Preparation	07/09/12 05:15 PM	52641
	20 (0-1)	06/27/12 10:14 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	06/29/12 09:00 AM	52515
	20 (0-1)	06/27/12 10:14 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	06/29/12 09:00 AM	52515
1206276-04C	20 (0-1)	06/27/12 10:14 AM	Soil	E300	Anion Prep	06/29/12 02:26 PM	52547
	20 (0-1)	06/27/12 10:14 AM	Soil	SW3550C	Soil Prep Sonication: DRO	06/28/12 12:59 PM	52524
1206276-05A	21 (0-1)	06/27/12 10:21 AM	Soil	SW5030A	Purge and Trap Soils GC	06/28/12 11:07 AM	52516
	21 (0-1)	06/27/12 10:21 AM	Soil	SW5030A	Purge and Trap Soils GC- Gas	07/02/12 09:30 AM	52519
	21 (0-1)	06/27/12 10:21 AM	Soil	SW3550B	Soil Prep Sonication: TRPH	07/09/12 08:35 AM	52626
1206276-05B	21 (0-1)	06/27/12 10:21 AM	Soil	SW7471A	Mercury Soil Prep, Total	06/29/12 09:00 AM	52523
	21 (0-1)	06/27/12 10:21 AM	Soil	D2216	Moisture Preparation	07/09/12 05:15 PM	52641
	21 (0-1)	06/27/12 10:21 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	06/29/12 09:00 AM	52515
	21 (0-1)	06/27/12 10:21 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	06/29/12 09:00 AM	52515
1206276-05C	21 (0-1)	06/27/12 10:21 AM	Soil	E300	Anion Prep	06/29/12 02:26 PM	52547
	21 (0-1)	06/27/12 10:21 AM	Soil	SW3550C	Soil Prep Sonication: DRO	06/28/12 12:59 PM	52524
	21 (0-1)	06/27/12 10:21 AM	Soil	SW3550C	Soil Prep Sonication: DRO	06/28/12 12:59 PM	52524
1206276-06A	25 (0-1)	06/27/12 10:25 AM	Soil	SW5030A	Purge and Trap Soils GC	06/28/12 11:07 AM	52516
	25 (0-1)	06/27/12 10:25 AM	Soil	SW5030A	Purge and Trap Soils GC- Gas	07/02/12 09:30 AM	52519
	25 (0-1)	06/27/12 10:25 AM	Soil	SW3550B	Soil Prep Sonication: TRPH	07/09/12 08:35 AM	52626
1206276-06B	25 (0-1)	06/27/12 10:25 AM	Soil	SW7471A	Mercury Soil Prep, Total	06/29/12 09:00 AM	52523
	25 (0-1)	06/27/12 10:25 AM	Soil	D2216	Moisture Preparation	07/09/12 05:15 PM	52641
	25 (0-1)	06/27/12 10:25 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	06/29/12 09:00 AM	52515
	25 (0-1)	06/27/12 10:25 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	06/29/12 09:00 AM	52515
1206276-06C	25 (0-1)	06/27/12 10:25 AM	Soil	E300	Anion Prep	06/29/12 02:26 PM	52547

Lab Order: 1206276
 Client: Larson & Associates
 Project: Chevron Landfarm

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1206276-06C	25 (0-1)	06/27/12 10:25 AM	Soil	SW3550C	Soil Prep Sonication: DRO	06/28/12 12:59 PM	52524
	25 (0-1)	06/27/12 10:25 AM	Soil	SW3550C	Soil Prep Sonication: DRO	06/28/12 12:59 PM	52524
1206276-07A	26 (0-1)	06/27/12 10:31 AM	Soil	SW5030A	Purge and Trap Soils GC	06/28/12 11:07 AM	52516
	26 (0-1)	06/27/12 10:31 AM	Soil	SW5030A	Purge and Trap Soils GC- Gas	07/02/12 09:30 AM	52519
	26 (0-1)	06/27/12 10:31 AM	Soil	SW3550B	Soil Prep Sonication: TRPH	07/09/12 08:35 AM	52626
1206276-07B	26 (0-1)	06/27/12 10:31 AM	Soil	SW7471A	Mercury Soil Prep, Total	06/29/12 09:00 AM	52523
	26 (0-1)	06/27/12 10:31 AM	Soil	D2216	Moisture Preparation	07/09/12 05:15 PM	52641
	26 (0-1)	06/27/12 10:31 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	06/29/12 09:00 AM	52515
	26 (0-1)	06/27/12 10:31 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	06/29/12 09:00 AM	52515
1206276-07C	26 (0-1)	06/27/12 10:31 AM	Soil	E300	Anion Prep	06/29/12 02:26 PM	52547
	26 (0-1)	06/27/12 10:31 AM	Soil	SW3550C	Soil Prep Sonication: DRO	06/28/12 12:59 PM	52524
1206276-08A	DUP (0-1)	06/27/12 10:35 AM	Soil	SW5030A	Purge and Trap Soils GC	06/28/12 11:07 AM	52516
	DUP (0-1)	06/27/12 10:35 AM	Soil	SW5030A	Purge and Trap Soils GC- Gas	07/02/12 09:30 AM	52519
	DUP (0-1)	06/27/12 10:35 AM	Soil	SW3550B	Soil Prep Sonication: TRPH	07/09/12 08:35 AM	52626
1206276-08B	DUP (0-1)	06/27/12 10:35 AM	Soil	SW7471A	Mercury Soil Prep, Total	06/29/12 09:00 AM	52523
	DUP (0-1)	06/27/12 10:35 AM	Soil	D2216	Moisture Preparation	07/09/12 05:15 PM	52641
	DUP (0-1)	06/27/12 10:35 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	06/29/12 09:00 AM	52515
	DUP (0-1)	06/27/12 10:35 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	06/29/12 09:00 AM	52515
1206276-08C	DUP (0-1)	06/27/12 10:35 AM	Soil	E300	Anion Prep	06/29/12 02:26 PM	52547
	DUP (0-1)	06/27/12 10:35 AM	Soil	SW3550C	Soil Prep Sonication: DRO	06/28/12 12:59 PM	52524
1206276-09A	25 (5-6)	06/26/12 01:00 PM	Soil	E300	Anion Prep	06/29/12 02:26 PM	52547
	25 (5-6)	06/26/12 01:00 PM	Soil	SW5030A	Purge and Trap Soils GC	06/28/12 11:07 AM	52516
	25 (5-6)	06/26/12 01:00 PM	Soil	SW5030A	Purge and Trap Soils GC- Gas	07/02/12 09:30 AM	52519
	25 (5-6)	06/26/12 01:00 PM	Soil	SW3550B	Soil Prep Sonication: TRPH	07/09/12 08:35 AM	52626
1206276-09B	25 (5-6)	06/26/12 01:00 PM	Soil	SW7471A	Mercury Soil Prep, Total	06/29/12 09:00 AM	52523
	25 (5-6)	06/26/12 01:00 PM	Soil	D2216	Moisture Preparation	07/09/12 05:15 PM	52641
	25 (5-6)	06/26/12 01:00 PM	Soil	SW3550C	Soil Prep Sonication: DRO	06/28/12 12:59 PM	52524
	25 (5-6)	06/26/12 01:00 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	06/29/12 09:00 AM	52515

Lab Order: 1206276
 Client: Larson & Associates
 Project: Chevron Landfarm

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1206276-09B	25 (5-6)	06/26/12 01:00 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	06/29/12 09:00 AM	52515
1206276-10A	21 (5-6)	06/26/12 12:30 PM	Soil	E300	Anion Prep	06/29/12 02:26 PM	52547
	21 (5-6)	06/26/12 12:30 PM	Soil	SW5030A	Purge and Trap Soils GC	06/28/12 11:07 AM	52516
	21 (5-6)	06/26/12 12:30 PM	Soil	SW5030A	Purge and Trap Soils GC- Gas	07/02/12 09:30 AM	52519
	21 (5-6)	06/26/12 12:30 PM	Soil	SW3550B	Soil Prep Sonication: TRPH	07/09/12 08:35 AM	52626
1206276-10B	21 (5-6)	06/26/12 12:30 PM	Soil	SW7471A	Mercury Soil Prep, Total	06/29/12 09:00 AM	52523
	21 (5-6)	06/26/12 12:30 PM	Soil	D2216	Moisture Preparation	07/09/12 05:15 PM	52641
	21 (5-6)	06/26/12 12:30 PM	Soil	SW3550C	Soil Prep Sonication: DRO	06/28/12 12:59 PM	52524
	21 (5-6)	06/26/12 12:30 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	06/29/12 09:00 AM	52515
1206276-11A	26 (5-6)	06/26/12 12:45 PM	Soil	E300	Anion Prep	06/29/12 02:26 PM	52547
	26 (5-6)	06/26/12 12:45 PM	Soil	SW5030A	Purge and Trap Soils GC	06/28/12 11:07 AM	52516
	26 (5-6)	06/26/12 12:45 PM	Soil	SW5030A	Purge and Trap Soils GC- Gas	07/02/12 09:30 AM	52519
	26 (5-6)	06/26/12 12:45 PM	Soil	SW3550B	Soil Prep Sonication: TRPH	07/09/12 08:35 AM	52626
1206276-11B	26 (5-6)	06/26/12 12:45 PM	Soil	SW7471A	Mercury Soil Prep, Total	06/29/12 09:00 AM	52523
	26 (5-6)	06/26/12 12:45 PM	Soil	D2216	Moisture Preparation	07/09/12 05:15 PM	52641
	26 (5-6)	06/26/12 12:45 PM	Soil	SW3550C	Soil Prep Sonication: DRO	06/28/12 12:59 PM	52524
	26 (5-6)	06/26/12 12:45 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	06/29/12 09:00 AM	52515
1206276-12A	17 (5-6)	06/26/12 12:15 PM	Soil	E300	Anion Prep	06/29/12 02:26 PM	52547
	17 (5-6)	06/26/12 12:15 PM	Soil	SW5030A	Purge and Trap Soils GC	06/28/12 11:07 AM	52516
	17 (5-6)	06/26/12 12:15 PM	Soil	SW5030A	Purge and Trap Soils GC- Gas	07/02/12 09:30 AM	52519
	17 (5-6)	06/26/12 12:15 PM	Soil	SW3550B	Soil Prep Sonication: TRPH	07/09/12 08:35 AM	52626
1206276-12B	17 (5-6)	06/26/12 12:15 PM	Soil	SW7471A	Mercury Soil Prep, Total	06/29/12 09:00 AM	52523
	17 (5-6)	06/26/12 12:15 PM	Soil	D2216	Moisture Preparation	07/09/12 05:15 PM	52641
	17 (5-6)	06/26/12 12:15 PM	Soil	SW3550C	Soil Prep Sonication: DRO	06/28/12 12:59 PM	52524
	17 (5-6)	06/26/12 12:15 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	06/29/12 09:00 AM	52515
1206276-13A	19 (5-6)	06/26/12 11:45 AM	Soil	E300	Anion Prep	06/29/12 02:26 PM	52547
	19 (5-6)	06/26/12 11:45 AM	Soil	SW5030A	Purge and Trap Soils GC	06/28/12 11:07 AM	52516
	19 (5-6)	06/26/12 11:45 AM	Soil	SW5030A	Purge and Trap Soils GC- Gas	07/02/12 09:30 AM	52519

Lab Order: 1206276
 Client: Larson & Associates
 Project: Chevron Landfarm

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1206276-13A	19 (5-6)	06/26/12 11:45 AM	Soil	SW3550B	Soil Prep Sonication: TRPH	07/09/12 08:35 AM	52626
1206276-13B	19 (5-6)	06/26/12 11:45 AM	Soil	SW7471A	Mercury Soil Prep, Total	06/29/12 09:00 AM	52523
	19 (5-6)	06/26/12 11:45 AM	Soil	D2216	Moisture Preparation	07/09/12 05:15 PM	52641
	19 (5-6)	06/26/12 11:45 AM	Soil	SW3550C	Soil Prep Sonication: DRO	06/29/12 12:08 PM	52544
	19 (5-6)	06/26/12 11:45 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	06/29/12 09:00 AM	52515
	19 (5-6)	06/26/12 11:45 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	06/29/12 09:00 AM	52515
1206276-14A	18 (5-6)	06/26/12 12:00 PM	Soil	E300	Anion Prep	06/29/12 02:26 PM	52547
	18 (5-6)	06/26/12 12:00 PM	Soil	SW5030A	Purge and Trap Soils GC	06/28/12 11:07 AM	52516
	18 (5-6)	06/26/12 12:00 PM	Soil	SW5030A	Purge and Trap Soils GC- Gas	07/02/12 09:30 AM	52519
	18 (5-6)	06/26/12 12:00 PM	Soil	SW3550B	Soil Prep Sonication: TRPH	07/09/12 08:35 AM	52626
1206276-14B	18 (5-6)	06/26/12 12:00 PM	Soil	SW7471A	Mercury Soil Prep, Total	06/29/12 09:00 AM	52523
	18 (5-6)	06/26/12 12:00 PM	Soil	D2216	Moisture Preparation	07/09/12 05:15 PM	52641
	18 (5-6)	06/26/12 12:00 PM	Soil	SW3550C	Soil Prep Sonication: DRO	06/29/12 12:08 PM	52544
	18 (5-6)	06/26/12 12:00 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	06/29/12 09:00 AM	52515
	18 (5-6)	06/26/12 12:00 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	06/29/12 09:00 AM	52515
1206276-15A	20 (5-6)	06/26/12 11:30 AM	Soil	E300	Anion Prep	06/29/12 02:26 PM	52547
	20 (5-6)	06/26/12 11:30 AM	Soil	SW5030A	Purge and Trap Soils GC	06/28/12 11:07 AM	52516
	20 (5-6)	06/26/12 11:30 AM	Soil	SW5030A	Purge and Trap Soils GC- Gas	07/02/12 09:30 AM	52519
	20 (5-6)	06/26/12 11:30 AM	Soil	SW3550B	Soil Prep Sonication: TRPH	07/09/12 08:35 AM	52626
1206276-15B	20 (5-6)	06/26/12 11:30 AM	Soil	SW7471A	Mercury Soil Prep, Total	06/29/12 09:00 AM	52523
	20 (5-6)	06/26/12 11:30 AM	Soil	D2216	Moisture Preparation	07/09/12 05:15 PM	52641
	20 (5-6)	06/26/12 11:30 AM	Soil	SW3550C	Soil Prep Sonication: DRO	06/29/12 12:08 PM	52544
	20 (5-6)	06/26/12 11:30 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	06/29/12 09:00 AM	52515

Lab Order: 1206276
 Client: Larson & Associates
 Project: Chevron Landfarm

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1206276-01A	17 (0-1)	Soil	M8015V	TPH Purgeable by GC - Soil	52519	1	07/02/12 03:28 PM	GC4_120702A
	17 (0-1)	Soil	E418.1	TRPH	52626	1	07/09/12 10:40 AM	IR207_120709A
	17 (0-1)	Soil	SW8021B	Volatile Organics by GC	52516	1	06/28/12 01:27 PM	GC4_120628A
1206276-01B	17 (0-1)	Soil	D2216	Percent Moisture	52641	1	07/10/12 08:50 AM	PMOIST_120709A
	17 (0-1)	Soil	SW7471B	Total Mercury: Soil/Solid	52523	1	07/03/12 02:33 PM	CETAC_HG_120703D
	17 (0-1)	Soil	SW6020	Trace Metals: ICP-MS - Solid	52515	5	06/29/12 11:44 PM	ICP-MS2_120629A
	17 (0-1)	Soil	SW6020	Trace Metals: ICP-MS - Solid	52515	50	07/03/12 02:16 PM	ICP-MS2_120703C
1206276-01C	17 (0-1)	Soil	E300	Anions by IC method - Soil	52547	1	07/03/12 09:58 AM	IC_120703A
	17 (0-1)	Soil	M8015D	TPH Extractable by GC - Soil	52524	1	06/30/12 02:10 PM	GC15_120630A
1206276-02A	18 (0-1)	Soil	M8015V	TPH Purgeable by GC - Soil	52519	1	07/02/12 03:53 PM	GC4_120702A
	18 (0-1)	Soil	E418.1	TRPH	52626	1	07/09/12 10:40 AM	IR207_120709A
	18 (0-1)	Soil	SW8021B	Volatile Organics by GC	52516	1	06/28/12 01:53 PM	GC4_120628A
1206276-02B	18 (0-1)	Soil	D2216	Percent Moisture	52641	1	07/10/12 08:50 AM	PMOIST_120709A
	18 (0-1)	Soil	SW7471B	Total Mercury: Soil/Solid	52523	1	07/03/12 02:18 PM	CETAC_HG_120703D
	18 (0-1)	Soil	SW6020	Trace Metals: ICP-MS - Solid	52515	50	07/03/12 02:04 PM	ICP-MS2_120703C
	18 (0-1)	Soil	SW6020	Trace Metals: ICP-MS - Solid	52515	5	06/29/12 11:20 PM	ICP-MS2_120629A
	18 (0-1)	Soil	E300	Anions by IC method - Soil	52547	1	07/03/12 10:40 AM	IC_120703A
1206276-02C	18 (0-1)	Soil	M8015D	TPH Extractable by GC - Soil	52524	10	06/30/12 04:09 PM	GC15_120630A
	18 (0-1)	Soil	M8015D	TPH Extractable by GC - Soil	52524	1	06/30/12 04:17 PM	GC15_120630A
	18 (0-1)	Soil	M8015D	TPH Extractable by GC - Soil	52524	1	06/30/12 04:17 PM	GC15_120630A
1206276-03A	19 (0-1)	Soil	M8015V	TPH Purgeable by GC - Soil	52519	1	07/02/12 04:19 PM	GC4_120702A
	19 (0-1)	Soil	E418.1	TRPH	52626	1	07/09/12 10:40 AM	IR207_120709A
	19 (0-1)	Soil	SW8021B	Volatile Organics by GC	52516	1	06/28/12 02:18 PM	GC4_120628A
1206276-03B	19 (0-1)	Soil	D2216	Percent Moisture	52641	1	07/10/12 08:50 AM	PMOIST_120709A
	19 (0-1)	Soil	SW7471B	Total Mercury: Soil/Solid	52523	1	07/03/12 02:42 PM	CETAC_HG_120703D
	19 (0-1)	Soil	SW6020	Trace Metals: ICP-MS - Solid	52515	5	06/29/12 11:50 PM	ICP-MS2_120629A
	19 (0-1)	Soil	SW6020	Trace Metals: ICP-MS - Solid	52515	50	07/03/12 02:22 PM	ICP-MS2_120703C
	19 (0-1)	Soil	E300	Anions by IC method - Soil	52547	1	07/03/12 10:51 AM	IC_120703A
1206276-03C	19 (0-1)	Soil	M8015D	TPH Extractable by GC - Soil	52524	10	06/30/12 04:26 PM	GC15_120630A

Lab Order: 1206276
 Client: Larson & Associates
 Project: Chevron Landfarm

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1206276-03C	19 (0-1)	Soil	M8015D	TPH Extractable by GC - Soil	52524	1	06/30/12 04:34 PM	GC15_120630A
1206276-04A	20 (0-1)	Soil	M8015V	TPH Purgeable by GC - Soil	52519	1	07/02/12 04:45 PM	GC4_120702A
	20 (0-1)	Soil	E418.1	TRPH	52626	1	07/09/12 10:40 AM	IR207_120709A
	20 (0-1)	Soil	SW8021B	Volatile Organics by GC	52516	1	06/28/12 02:44 PM	GC4_120628A
1206276-04B	20 (0-1)	Soil	D2216	Percent Moisture	52641	1	07/10/12 08:50 AM	PMOIST_120709A
	20 (0-1)	Soil	SW7471B	Total Mercury: Soil/Solid	52523	1	07/03/12 03:07 PM	CETAC_HG_120703D
	20 (0-1)	Soil	SW6020	Trace Metals: ICP-MS - Solid	52515	5	06/29/12 11:56 PM	ICP-MS2_120629A
	20 (0-1)	Soil	SW6020	Trace Metals: ICP-MS - Solid	52515	50	07/03/12 02:28 PM	ICP-MS2_120703C
1206276-04C	20 (0-1)	Soil	E300	Anions by IC method - Soil	52547	1	07/03/12 11:03 AM	IC_120703A
	20 (0-1)	Soil	M8015D	TPH Extractable by GC - Soil	52524	1	06/30/12 02:44 PM	GC15_120630A
1206276-05A	21 (0-1)	Soil	M8015V	TPH Purgeable by GC - Soil	52519	1	07/02/12 05:10 PM	GC4_120702A
	21 (0-1)	Soil	E418.1	TRPH	52626	1	07/09/12 10:40 AM	IR207_120709A
	21 (0-1)	Soil	SW8021B	Volatile Organics by GC	52516	1	06/28/12 03:10 PM	GC4_120628A
1206276-05B	21 (0-1)	Soil	D2216	Percent Moisture	52641	1	07/10/12 08:50 AM	PMOIST_120709A
	21 (0-1)	Soil	SW7471B	Total Mercury: Soil/Solid	52523	1	07/03/12 03:09 PM	CETAC_HG_120703D
	21 (0-1)	Soil	SW6020	Trace Metals: ICP-MS - Solid	52515	5	06/30/12 12:02 AM	ICP-MS2_120629A
	21 (0-1)	Soil	SW6020	Trace Metals: ICP-MS - Solid	52515	50	07/03/12 02:34 PM	ICP-MS2_120703C
1206276-05C	21 (0-1)	Soil	E300	Anions by IC method - Soil	52547	1	07/03/12 11:15 AM	IC_120703A
	21 (0-1)	Soil	M8015D	TPH Extractable by GC - Soil	52524	10	06/30/12 04:59 PM	GC15_120630A
	21 (0-1)	Soil	M8015D	TPH Extractable by GC - Soil	52524	1	06/30/12 05:08 PM	GC15_120630A
1206276-06A	25 (0-1)	Soil	M8015V	TPH Purgeable by GC - Soil	52519	1	07/02/12 05:35 PM	GC4_120702A
	25 (0-1)	Soil	E418.1	TRPH	52626	1	07/09/12 10:40 AM	IR207_120709A
	25 (0-1)	Soil	SW8021B	Volatile Organics by GC	52516	1	06/28/12 03:35 PM	GC4_120628A
1206276-06B	25 (0-1)	Soil	D2216	Percent Moisture	52641	1	07/10/12 08:50 AM	PMOIST_120709A
	25 (0-1)	Soil	SW7471B	Total Mercury: Soil/Solid	52523	1	07/03/12 03:11 PM	CETAC_HG_120703D
	25 (0-1)	Soil	SW6020	Trace Metals: ICP-MS - Solid	52515	5	06/30/12 12:08 AM	ICP-MS2_120629A
	25 (0-1)	Soil	SW6020	Trace Metals: ICP-MS - Solid	52515	50	07/03/12 02:40 PM	ICP-MS2_120703C
1206276-06C	25 (0-1)	Soil	E300	Anions by IC method - Soil	52547	1	07/03/12 11:41 AM	IC_120703A

Lab Order: 1206276
Client: Larson & Associates
Project: Chevron Landfarm

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1206276-06C	25 (0-1)	Soil	M8015D	TPH Extractable by GC - Soil	52524	1	06/30/12 05:42 PM	GC15_120630A
	25 (0-1)	Soil	M8015D	TPH Extractable by GC - Soil	52524	1	06/30/12 03:01 PM	GC15_120630A
1206276-07A	26 (0-1)	Soil	M8015V	TPH Purgeable by GC - Soil	52519	1	07/02/12 06:01 PM	GC4_120702A
	26 (0-1)	Soil	E418.1	TRPH	52626	1	07/09/12 10:40 AM	IR207_120709A
	26 (0-1)	Soil	SW8021B	Volatile Organics by GC	52516	1	06/28/12 04:00 PM	GC4_120628A
1206276-07B	26 (0-1)	Soil	D2216	Percent Moisture	52641	1	07/10/12 08:50 AM	PMOIST_120709A
	26 (0-1)	Soil	SW7471B	Total Mercury: Soil/Solid	52523	1	07/03/12 03:13 PM	CETAC_HG_120703D
	26 (0-1)	Soil	SW6020	Trace Metals: ICP-MS - Solid	52515	5	06/30/12 12:14 AM	ICP-MS2_120629A
	26 (0-1)	Soil	SW6020	Trace Metals: ICP-MS - Solid	52515	50	07/03/12 02:46 PM	ICP-MS2_120703C
1206276-07C	26 (0-1)	Soil	E300	Anions by IC method - Soil	52547	1	07/03/12 11:52 AM	IC_120703A
	26 (0-1)	Soil	M8015D	TPH Extractable by GC - Soil	52524	1	06/30/12 02:18 PM	GC15_120630A
1206276-08A	DUP (0-1)	Soil	M8015V	TPH Purgeable by GC - Soil	52519	1	07/02/12 06:26 PM	GC4_120702A
	DUP (0-1)	Soil	E418.1	TRPH	52626	1	07/09/12 10:40 AM	IR207_120709A
	DUP (0-1)	Soil	SW8021B	Volatile Organics by GC	52516	1	06/28/12 04:25 PM	GC4_120628A
1206276-08B	DUP (0-1)	Soil	D2216	Percent Moisture	52641	1	07/10/12 08:50 AM	PMOIST_120709A
	DUP (0-1)	Soil	SW7471B	Total Mercury: Soil/Solid	52523	1	07/03/12 03:15 PM	CETAC_HG_120703D
	DUP (0-1)	Soil	SW6020	Trace Metals: ICP-MS - Solid	52515	5	06/30/12 12:20 AM	ICP-MS2_120629A
	DUP (0-1)	Soil	SW6020	Trace Metals: ICP-MS - Solid	52515	50	07/03/12 02:52 PM	ICP-MS2_120703C
1206276-08C	DUP (0-1)	Soil	E300	Anions by IC method - Soil	52547	1	07/03/12 12:04 PM	IC_120703A
	DUP (0-1)	Soil	M8015D	TPH Extractable by GC - Soil	52524	1	06/30/12 02:27 PM	GC15_120630A
1206276-09A	25 (5-6)	Soil	E300	Anions by IC method - Soil	52547	1	07/03/12 12:15 PM	IC_120703A
	25 (5-6)	Soil	M8015V	TPH Purgeable by GC - Soil	52519	1	07/02/12 06:52 PM	GC4_120702A
	25 (5-6)	Soil	E418.1	TRPH	52626	1	07/09/12 10:40 AM	IR207_120709A
	25 (5-6)	Soil	SW8021B	Volatile Organics by GC	52516	1	06/28/12 04:50 PM	GC4_120628A
1206276-09B	25 (5-6)	Soil	D2216	Percent Moisture	52641	1	07/10/12 08:50 AM	PMOIST_120709A
	25 (5-6)	Soil	SW7471B	Total Mercury: Soil/Solid	52523	1	07/03/12 03:17 PM	CETAC_HG_120703D
	25 (5-6)	Soil	M8015D	TPH Extractable by GC - Soil	52524	1	06/30/12 12:45 PM	GC15_120630A
	25 (5-6)	Soil	SW6020	Trace Metals: ICP-MS - Solid	52515	5	06/30/12 01:37 AM	ICP-MS2_120629A

Lab Order: 1206276
 Client: Larson & Associates
 Project: Chevron Landfarm

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1206276-09B	25 (5-6)	Soil	SW6020	Trace Metals: ICP-MS - Solid	52515	50	07/03/12 02:58 PM	ICP-MS2_120703C
1206276-10A	21 (5-6)	Soil	E300	Anions by IC method - Soil	52547	1	07/03/12 12:27 PM	IC_120703A
	21 (5-6)	Soil	M8015V	TPH Purgeable by GC - Soil	52519	1	07/02/12 07:17 PM	GC4_120702A
	21 (5-6)	Soil	E418.1	TRPH	52626	1	07/09/12 10:40 AM	IR207_120709A
	21 (5-6)	Soil	SW8021B	Volatile Organics by GC	52516	1	06/28/12 05:16 PM	GC4_120628A
1206276-10B	21 (5-6)	Soil	D2216	Percent Moisture	52641	1	07/10/12 08:50 AM	PMOIST_120709A
	21 (5-6)	Soil	SW7471B	Total Mercury: Soil/Solid	52523	1	07/03/12 03:19 PM	CETAC_HG_120703D
	21 (5-6)	Soil	M8015D	TPH Extractable by GC - Soil	52524	1	06/30/12 12:54 PM	GC15_120630A
	21 (5-6)	Soil	SW6020	Trace Metals: ICP-MS - Solid	52515	5	06/30/12 01:43 AM	ICP-MS2_120629A
1206276-11A	26 (5-6)	Soil	E300	Anions by IC method - Soil	52547	1	07/03/12 12:39 PM	IC_120703A
	26 (5-6)	Soil	M8015V	TPH Purgeable by GC - Soil	52519	1	07/02/12 08:33 PM	GC4_120702A
	26 (5-6)	Soil	E418.1	TRPH	52626	1	07/09/12 10:40 AM	IR207_120709A
	26 (5-6)	Soil	SW8021B	Volatile Organics by GC	52516	1	06/28/12 06:31 PM	GC4_120628A
1206276-11B	26 (5-6)	Soil	D2216	Percent Moisture	52641	1	07/10/12 08:50 AM	PMOIST_120709A
	26 (5-6)	Soil	SW7471B	Total Mercury: Soil/Solid	52523	1	07/03/12 03:21 PM	CETAC_HG_120703D
	26 (5-6)	Soil	M8015D	TPH Extractable by GC - Soil	52524	1	06/30/12 01:53 PM	GC15_120630A
	26 (5-6)	Soil	SW6020	Trace Metals: ICP-MS - Solid	52515	5	06/30/12 01:49 AM	ICP-MS2_120629A
1206276-12A	17 (5-6)	Soil	E300	Anions by IC method - Soil	52547	1	07/03/12 12:50 PM	IC_120703A
	17 (5-6)	Soil	M8015V	TPH Purgeable by GC - Soil	52519	1	07/02/12 08:58 PM	GC4_120702A
	17 (5-6)	Soil	E418.1	TRPH	52626	1	07/09/12 10:40 AM	IR207_120709A
	17 (5-6)	Soil	SW8021B	Volatile Organics by GC	52516	1	06/28/12 06:57 PM	GC4_120628A
1206276-12B	17 (5-6)	Soil	D2216	Percent Moisture	52641	1	07/10/12 08:50 AM	PMOIST_120709A
	17 (5-6)	Soil	SW7471B	Total Mercury: Soil/Solid	52523	1	07/03/12 03:24 PM	CETAC_HG_120703D
	17 (5-6)	Soil	M8015D	TPH Extractable by GC - Soil	52524	1	06/30/12 02:01 PM	GC15_120630A
	17 (5-6)	Soil	SW6020	Trace Metals: ICP-MS - Solid	52515	5	06/30/12 01:54 AM	ICP-MS2_120629A
1206276-13A	19 (5-6)	Soil	E300	Anions by IC method - Soil	52547	1	07/03/12 01:02 PM	IC_120703A
	19 (5-6)	Soil	M8015V	TPH Purgeable by GC - Soil	52519	1	07/02/12 09:24 PM	GC4_120702A
	19 (5-6)	Soil	E418.1	TRPH	52626	1	07/09/12 10:40 AM	IR207_120709A

Lab Order: 1206276
 Client: Larson & Associates
 Project: Chevron Landfarm

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1206276-13A	19 (5-6)	Soil	SW8021B	Volatile Organics by GC	52516	1	06/28/12 07:22 PM	GC4_120628A
1206276-13B	19 (5-6)	Soil	D2216	Percent Moisture	52641	1	07/10/12 08:50 AM	PMOIST_120709A
	19 (5-6)	Soil	SW7471B	Total Mercury: Soil/Solid	52523	1	07/03/12 03:26 PM	CETAC_HG_120703D
	19 (5-6)	Soil	M8015D	TPH Extractable by GC - Soil	52544	1	06/30/12 01:02 PM	GC15_120630A
	19 (5-6)	Soil	SW6020	Trace Metals: ICP-MS - Solid	52515	50	07/03/12 03:04 PM	ICP-MS2_120703C
	19 (5-6)	Soil	SW6020	Trace Metals: ICP-MS - Solid	52515	5	06/30/12 02:00 AM	ICP-MS2_120629A
1206276-14A	18 (5-6)	Soil	E300	Anions by IC method - Soil	52547	1	07/03/12 01:13 PM	IC_120703A
	18 (5-6)	Soil	M8015V	TPH Purgeable by GC - Soil	52519	1	07/02/12 09:49 PM	GC4_120702A
	18 (5-6)	Soil	E418.1	TRPH	52626	1	07/09/12 10:40 AM	IR207_120709A
	18 (5-6)	Soil	SW8021B	Volatile Organics by GC	52516	1	06/28/12 07:47 PM	GC4_120628A
1206276-14B	18 (5-6)	Soil	D2216	Percent Moisture	52641	1	07/10/12 08:50 AM	PMOIST_120709A
	18 (5-6)	Soil	SW7471B	Total Mercury: Soil/Solid	52523	1	07/03/12 03:35 PM	CETAC_HG_120703D
	18 (5-6)	Soil	M8015D	TPH Extractable by GC - Soil	52544	1	06/30/12 01:11 PM	GC15_120630A
	18 (5-6)	Soil	SW6020	Trace Metals: ICP-MS - Solid	52515	5	06/30/12 02:06 AM	ICP-MS2_120629A
	18 (5-6)	Soil	SW6020	Trace Metals: ICP-MS - Solid	52515	50	07/03/12 01:07 PM	ICP-MS2_120703C
1206276-15A	20 (5-6)	Soil	E300	Anions by IC method - Soil	52547	1	07/03/12 01:25 PM	IC_120703A
	20 (5-6)	Soil	M8015V	TPH Purgeable by GC - Soil	52519	1	07/02/12 10:14 PM	GC4_120702A
	20 (5-6)	Soil	E418.1	TRPH	52626	1	07/09/12 10:40 AM	IR207_120709A
	20 (5-6)	Soil	SW8021B	Volatile Organics by GC	52516	1	06/28/12 08:13 PM	GC4_120628A
1206276-15B	20 (5-6)	Soil	D2216	Percent Moisture	52641	1	07/10/12 08:50 AM	PMOIST_120709A
	20 (5-6)	Soil	SW7471B	Total Mercury: Soil/Solid	52523	1	07/03/12 03:37 PM	CETAC_HG_120703D
	20 (5-6)	Soil	M8015D	TPH Extractable by GC - Soil	52544	1	06/30/12 01:19 PM	GC15_120630A
	20 (5-6)	Soil	SW6020	Trace Metals: ICP-MS - Solid	52515	5	06/30/12 02:12 AM	ICP-MS2_120629A

DHL Analytical

Date: 11-Jul-12

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1206276

Client Sample ID: 17 (0-1)
Lab ID: 1206276-01
Collection Date: 06/27/12 09:59 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL							
		M8015D					Analyst: DO
TPH-DRO C10-C28	ND	11.2	11.2		mg/Kg-dry	1	06/30/12 02:10 PM
Surr: Isopropylbenzene	70.0	0	47-142		%REC	1	06/30/12 02:10 PM
Surr: Octacosane	113	0	25-162		%REC	1	06/30/12 02:10 PM
TPH PURGEABLE BY GC - SOIL							
		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.108	0.216		mg/Kg-dry	1	07/02/12 03:28 PM
Surr: Tetrachlorethene	117	0	70-134		%REC	1	07/02/12 03:28 PM
VOLATILE ORGANICS BY GC							
		SW8021B					Analyst: DEW
Benzene	ND	0.00340	0.00567		mg/Kg-dry	1	06/28/12 01:27 PM
Ethylbenzene	ND	0.00567	0.0170		mg/Kg-dry	1	06/28/12 01:27 PM
Toluene	ND	0.00567	0.0170		mg/Kg-dry	1	06/28/12 01:27 PM
Xylenes, Total	ND	0.00567	0.0170		mg/Kg-dry	1	06/28/12 01:27 PM
Surr: Tetrachloroethene	110	0	79-135		%REC	1	06/28/12 01:27 PM
TOTAL MERCURY: SOIL/SOLID							
		SW7471B					Analyst: LM
Mercury	ND	0.0161	0.0402		mg/Kg-dry	1	07/03/12 02:33 PM
TRACE METALS: ICP-MS - SOLID							
		SW6020					Analyst: AJR
Arsenic	2.37	0.532	1.06		mg/Kg-dry	5	06/29/12 11:44 PM
Barium	69.3	0.532	2.13		mg/Kg-dry	5	06/29/12 11:44 PM
Cadmium	0.204	0.106	0.319	J	mg/Kg-dry	5	06/29/12 11:44 PM
Chromium	9.79	0.532	2.13		mg/Kg-dry	5	06/29/12 11:44 PM
Copper	4.69	0.532	2.13		mg/Kg-dry	5	06/29/12 11:44 PM
Iron	8000	133	133		mg/Kg-dry	50	07/03/12 02:16 PM
Lead	5.80	0.106	0.319		mg/Kg-dry	5	06/29/12 11:44 PM
Manganese	115	0.532	2.13		mg/Kg-dry	5	06/29/12 11:44 PM
Selenium	0.611	0.160	0.532		mg/Kg-dry	5	06/29/12 11:44 PM
Silver	ND	0.106	0.213		mg/Kg-dry	5	06/29/12 11:44 PM
Zinc	20.5	1.06	2.66		mg/Kg-dry	5	06/29/12 11:44 PM
TRPH							
		E418.1					Analyst: JBC
Petroleum Hydrocarbons, TR	ND	5.51	11.0	N	mg/Kg-dry	1	07/09/12 10:40 AM
ANIONS BY IC METHOD - SOIL							
		E300					Analyst: JBC
Chloride	235	5.80	5.80		mg/Kg-dry	1	07/03/12 09:58 AM
Sulfate	95.0	11.6	11.6		mg/Kg-dry	1	07/03/12 09:58 AM
PERCENT MOISTURE							
		D2216					Analyst: JCG
Percent Moisture	13.8	0	0		WT%	1	07/10/12 08:50 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	N	Parameter not NELAC certified		

DHL Analytical

Date: 11-Jul-12

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1206276

Client Sample ID: 18 (0-1)
Lab ID: 1206276-02
Collection Date: 06/27/12 10:05 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL							
		M8015D					Analyst: DO
TPH-DRO C10-C28	34.5	9.97	9.97		mg/Kg-dry	1	06/30/12 04:17 PM
Surr: Isopropylbenzene	72.3	0	47-142		%REC	1	06/30/12 04:17 PM
Surr: Octacosane	125	0	25-162		%REC	1	06/30/12 04:17 PM
TPH PURGEABLE BY GC - SOIL							
		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.0894	0.179		mg/Kg-dry	1	07/02/12 03:53 PM
Surr: Tetrachlorethene	116	0	70-134		%REC	1	07/02/12 03:53 PM
VOLATILE ORGANICS BY GC							
		SW8021B					Analyst: DEW
Benzene	ND	0.00282	0.00469		mg/Kg-dry	1	06/28/12 01:53 PM
Ethylbenzene	ND	0.00469	0.0141		mg/Kg-dry	1	06/28/12 01:53 PM
Toluene	ND	0.00469	0.0141		mg/Kg-dry	1	06/28/12 01:53 PM
Xylenes, Total	ND	0.00469	0.0141		mg/Kg-dry	1	06/28/12 01:53 PM
Surr: Tetrachloroethene	113	0	79-135		%REC	1	06/28/12 01:53 PM
TOTAL MERCURY: SOIL/SOLID							
		SW7471B					Analyst: LM
Mercury	ND	0.0136	0.0341		mg/Kg-dry	1	07/03/12 02:18 PM
TRACE METALS: ICP-MS - SOLID							
		SW6020					Analyst: AJR
Arsenic	2.70	0.493	0.986		mg/Kg-dry	5	06/29/12 11:20 PM
Barium	133	0.493	1.97		mg/Kg-dry	5	06/29/12 11:20 PM
Cadmium	0.191	0.0986	0.296	J	mg/Kg-dry	5	06/29/12 11:20 PM
Chromium	9.12	0.493	1.97		mg/Kg-dry	5	06/29/12 11:20 PM
Copper	6.36	0.493	1.97		mg/Kg-dry	5	06/29/12 11:20 PM
Iron	6990	123	123		mg/Kg-dry	50	07/03/12 02:04 PM
Lead	10.6	0.0986	0.296		mg/Kg-dry	5	06/29/12 11:20 PM
Manganese	93.3	0.493	1.97		mg/Kg-dry	5	06/29/12 11:20 PM
Selenium	0.571	0.148	0.493		mg/Kg-dry	5	06/29/12 11:20 PM
Silver	ND	0.0986	0.197		mg/Kg-dry	5	06/29/12 11:20 PM
Zinc	27.2	0.986	2.47		mg/Kg-dry	5	06/29/12 11:20 PM
TRPH							
		E418.1					Analyst: JBC
Petroleum Hydrocarbons, TR	105	4.87	9.75	N	mg/Kg-dry	1	07/09/12 10:40 AM
ANIONS BY IC METHOD - SOIL							
		E300					Analyst: JBC
Chloride	48.8	4.99	4.99		mg/Kg-dry	1	07/03/12 10:40 AM
Sulfate	74.2	9.98	9.98		mg/Kg-dry	1	07/03/12 10:40 AM
PERCENT MOISTURE							
		D2216					Analyst: JCG
Percent Moisture	0.607	0	0		WT%	1	07/10/12 08:50 AM

Qualifiers:

- * Value exceeds TCLP Maximum Concentration Level
- C Sample Result or QC discussed in the Case Narrative
- E TPH pattern not Gas or Diesel Range Pattern
- MDL Method Detection Limit
- RL Reporting Limit
- N Parameter not NELAC certified

- B Analyte detected in the associated Method Blank
- DF Dilution Factor
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- S Spike Recovery outside control limits

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DHL Analytical

Date: 11-Jul-12

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1206276

Client Sample ID: 19 (0-1)
Lab ID: 1206276-03
Collection Date: 06/27/12 10:10 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL							
		M8015D					Analyst: DO
TPH-DRO C10-C28	19.1	9.64	9.64		mg/Kg-dry	1	06/30/12 04:34 PM
Surr: Isopropylbenzene	73.7	0	47-142		%REC	1	06/30/12 04:34 PM
Surr: Octacosane	109	0	25-162		%REC	1	06/30/12 04:34 PM
TPH PURGEABLE BY GC - SOIL							
		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.0886	0.177		mg/Kg-dry	1	07/02/12 04:19 PM
Surr: Tetrachlorethene	113	0	70-134		%REC	1	07/02/12 04:19 PM
VOLATILE ORGANICS BY GC							
		SW8021B					Analyst: DEW
Benzene	ND	0.00266	0.00444		mg/Kg-dry	1	06/28/12 02:18 PM
Ethylbenzene	ND	0.00444	0.0133		mg/Kg-dry	1	06/28/12 02:18 PM
Toluene	ND	0.00444	0.0133		mg/Kg-dry	1	06/28/12 02:18 PM
Xylenes, Total	ND	0.00444	0.0133		mg/Kg-dry	1	06/28/12 02:18 PM
Surr: Tetrachloroethene	113	0	79-135		%REC	1	06/28/12 02:18 PM
TOTAL MERCURY: SOIL/SOLID							
		SW7471B					Analyst: LM
Mercury	ND	0.0147	0.0368		mg/Kg-dry	1	07/03/12 02:42 PM
TRACE METALS: ICP-MS - SOLID							
		SW6020					Analyst: AJR
Arsenic	1.75	0.455	0.910		mg/Kg-dry	5	06/29/12 11:50 PM
Barium	79.2	0.455	1.82		mg/Kg-dry	5	06/29/12 11:50 PM
Cadmium	0.128	0.0910	0.273	J	mg/Kg-dry	5	06/29/12 11:50 PM
Chromium	6.97	0.455	1.82		mg/Kg-dry	5	06/29/12 11:50 PM
Copper	2.85	0.455	1.82		mg/Kg-dry	5	06/29/12 11:50 PM
Iron	5500	114	114		mg/Kg-dry	50	07/03/12 02:22 PM
Lead	3.92	0.0910	0.273		mg/Kg-dry	5	06/29/12 11:50 PM
Manganese	51.9	0.455	1.82		mg/Kg-dry	5	06/29/12 11:50 PM
Selenium	0.400	0.137	0.455	J	mg/Kg-dry	5	06/29/12 11:50 PM
Silver	ND	0.0910	0.182		mg/Kg-dry	5	06/29/12 11:50 PM
Zinc	13.7	0.910	2.28		mg/Kg-dry	5	06/29/12 11:50 PM
TRPH							
		E418.1					Analyst: JBC
Petroleum Hydrocarbons, TR	7.64	5.09	10.2	JN	mg/Kg-dry	1	07/09/12 10:40 AM
ANIONS BY IC METHOD - SOIL							
		E300					Analyst: JBC
Chloride	11.2	5.05	5.05		mg/Kg-dry	1	07/03/12 10:51 AM
Sulfate	622	10.1	10.1		mg/Kg-dry	1	07/03/12 10:51 AM
PERCENT MOISTURE							
		D2216					Analyst: JCG
Percent Moisture	1.91	0	0		WT%	1	07/10/12 08:50 AM

Qualifiers: * Value exceeds TCLP Maximum Concentration Level
C Sample Result or QC discussed in the Case Narrative
E TPH pattern not Gas or Diesel Range Pattern
MDL Method Detection Limit
RL Reporting Limit
N Parameter not NELAC certified

B Analyte detected in the associated Method Blank
DF Dilution Factor
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
S Spike Recovery outside control limits

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DHL Analytical

Date: 11-Jul-12

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1206276

Client Sample ID: 20 (0-1)
Lab ID: 1206276-04
Collection Date: 06/27/12 10:14 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL							
		M8015D					Analyst: DO
TPH-DRO C10-C28	ND	9.89	9.89		mg/Kg-dry	1	06/30/12 02:44 PM
Surr: Isopropylbenzene	76.0	0	47-142		%REC	1	06/30/12 02:44 PM
Surr: Octacosane	159	0	25-162		%REC	1	06/30/12 02:44 PM
TPH PURGEABLE BY GC - SOIL							
		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.0933	0.187		mg/Kg-dry	1	07/02/12 04:45 PM
Surr: Tetrachlorethene	112	0	70-134		%REC	1	07/02/12 04:45 PM
VOLATILE ORGANICS BY GC							
		SW8021B					Analyst: DEW
Benzene	ND	0.00268	0.00446		mg/Kg-dry	1	06/28/12 02:44 PM
Ethylbenzene	ND	0.00446	0.0134		mg/Kg-dry	1	06/28/12 02:44 PM
Toluene	ND	0.00446	0.0134		mg/Kg-dry	1	06/28/12 02:44 PM
Xylenes, Total	ND	0.00446	0.0134		mg/Kg-dry	1	06/28/12 02:44 PM
Surr: Tetrachloroethene	106	0	79-135		%REC	1	06/28/12 02:44 PM
TOTAL MERCURY: SOIL/SOLID							
		SW7471B					Analyst: LM
Mercury	ND	0.0147	0.0368		mg/Kg-dry	1	07/03/12 03:07 PM
TRACE METALS: ICP-MS - SOLID							
		SW6020					Analyst: AJR
Arsenic	1.74	0.438	0.875		mg/Kg-dry	5	06/29/12 11:56 PM
Barium	86.1	0.438	1.75		mg/Kg-dry	5	06/29/12 11:56 PM
Cadmium	0.112	0.0875	0.263	J	mg/Kg-dry	5	06/29/12 11:56 PM
Chromium	7.13	0.438	1.75		mg/Kg-dry	5	06/29/12 11:56 PM
Copper	2.21	0.438	1.75		mg/Kg-dry	5	06/29/12 11:56 PM
Iron	5440	109	109		mg/Kg-dry	50	07/03/12 02:28 PM
Lead	4.02	0.0875	0.263		mg/Kg-dry	5	06/29/12 11:56 PM
Manganese	48.5	0.438	1.75		mg/Kg-dry	5	06/29/12 11:56 PM
Selenium	0.376	0.131	0.438	J	mg/Kg-dry	5	06/29/12 11:56 PM
Silver	ND	0.0875	0.175		mg/Kg-dry	5	06/29/12 11:56 PM
Zinc	12.5	0.875	2.19		mg/Kg-dry	5	06/29/12 11:56 PM
TRPH							
		E418.1					Analyst: JBC
Petroleum Hydrocarbons, TR	ND	5.03	10.1	N	mg/Kg-dry	1	07/09/12 10:40 AM
ANIONS BY IC METHOD - SOIL							
		E300					Analyst: JBC
Chloride	ND	4.97	4.97		mg/Kg-dry	1	07/03/12 11:03 AM
Sulfate	110	9.94	9.94		mg/Kg-dry	1	07/03/12 11:03 AM
PERCENT MOISTURE							
		D2216					Analyst: JCG
Percent Moisture	0.625	0	0		WT%	1	07/10/12 08:50 AM

Qualifiers:

- * Value exceeds TCLP Maximum Concentration Level
- C Sample Result or QC discussed in the Case Narrative
- E TPH pattern not Gas or Diesel Range Pattern
- MDL Method Detection Limit
- RL Reporting Limit
- N Parameter not NELAC certified

- B Analyte detected in the associated Method Blank
- DF Dilution Factor
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- S Spike Recovery outside control limits

DHL Analytical

Date: 11-Jul-12

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1206276

Client Sample ID: 21 (0-1)
Lab ID: 1206276-05
Collection Date: 06/27/12 10:21 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL							Analyst: DO
TPH-DRO C10-C28	94.6	9.93	9.93		mg/Kg-dry	1	06/30/12 05:08 PM
Surr: Isopropylbenzene	76.7	0	47-142		%REC	1	06/30/12 05:08 PM
Surr: Octacosane	172	0	25-162	S	%REC	1	06/30/12 05:08 PM
TPH PURGEABLE BY GC - SOIL							Analyst: DEW
Gasoline Range Organics	ND	0.0996	0.199		mg/Kg-dry	1	07/02/12 05:10 PM
Surr: Tetrachlorethene	113	0	70-134		%REC	1	07/02/12 05:10 PM
VOLATILE ORGANICS BY GC							Analyst: DEW
Benzene	ND	0.00276	0.00460		mg/Kg-dry	1	06/28/12 03:10 PM
Ethylbenzene	ND	0.00460	0.0138		mg/Kg-dry	1	06/28/12 03:10 PM
Toluene	ND	0.00460	0.0138		mg/Kg-dry	1	06/28/12 03:10 PM
Xylenes, Total	ND	0.00460	0.0138		mg/Kg-dry	1	06/28/12 03:10 PM
Surr: Tetrachloroethene	110	0	79-135		%REC	1	06/28/12 03:10 PM
TOTAL MERCURY: SOIL/SOLID							Analyst: LM
Mercury	ND	0.0146	0.0365		mg/Kg-dry	1	07/03/12 03:09 PM
TRACE METALS: ICP-MS - SOLID							Analyst: AJR
Arsenic	2.06	0.463	0.927		mg/Kg-dry	5	06/30/12 12:02 AM
Barium	104	0.463	1.85		mg/Kg-dry	5	06/30/12 12:02 AM
Cadmium	0.147	0.0927	0.278	J	mg/Kg-dry	5	06/30/12 12:02 AM
Chromium	7.59	0.463	1.85		mg/Kg-dry	5	06/30/12 12:02 AM
Copper	2.70	0.463	1.85		mg/Kg-dry	5	06/30/12 12:02 AM
Iron	5870	116	116		mg/Kg-dry	50	07/03/12 02:34 PM
Lead	4.36	0.0927	0.278		mg/Kg-dry	5	06/30/12 12:02 AM
Manganese	53.5	0.463	1.85		mg/Kg-dry	5	06/30/12 12:02 AM
Selenium	0.398	0.139	0.463	J	mg/Kg-dry	5	06/30/12 12:02 AM
Silver	ND	0.0927	0.185		mg/Kg-dry	5	06/30/12 12:02 AM
Zinc	16.0	0.927	2.32		mg/Kg-dry	5	06/30/12 12:02 AM
TRPH							Analyst: JBC
Petroleum Hydrocarbons, TR	133	4.99	9.97	N	mg/Kg-dry	1	07/09/12 10:40 AM
ANIONS BY IC METHOD - SOIL							Analyst: JBC
Chloride	ND	5.05	5.05		mg/Kg-dry	1	07/03/12 11:15 AM
Sulfate	82.5	10.1	10.1		mg/Kg-dry	1	07/03/12 11:15 AM
PERCENT MOISTURE							Analyst: JCG
Percent Moisture	0.987	0	0		WT%	1	07/10/12 08:50 AM

Qualifiers:

- * Value exceeds TCLP Maximum Concentration Level
- C Sample Result or QC discussed in the Case Narrative
- E TPH pattern not Gas or Diesel Range Pattern
- MDL Method Detection Limit
- RL Reporting Limit
- N Parameter not NELAC certified

- B Analyte detected in the associated Method Blank
- DF Dilution Factor
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- S Spike Recovery outside control limits

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DHL Analytical

Date: 11-Jul-12

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1206276

Client Sample ID: 25 (0-1)
Lab ID: 1206276-06
Collection Date: 06/27/12 10:25 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL		M8015D					Analyst: DO
TPH-DRO C10-C28	ND	12.8	12.8		mg/Kg-dry	1	06/30/12 05:42 PM
Surr: Isopropylbenzene	59.1	0	47-142		%REC	1	06/30/12 05:42 PM
Surr: Octacosane	105	0	25-162		%REC	1	06/30/12 05:42 PM
TPH PURGEABLE BY GC - SOIL		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.131	0.262		mg/Kg-dry	1	07/02/12 05:35 PM
Surr: Tetrachlorethene	112	0	70-134		%REC	1	07/02/12 05:35 PM
VOLATILE ORGANICS BY GC		SW8021B					Analyst: DEW
Benzene	ND	0.00419	0.00699		mg/Kg-dry	1	06/28/12 03:35 PM
Ethylbenzene	ND	0.00699	0.0210		mg/Kg-dry	1	06/28/12 03:35 PM
Toluene	ND	0.00699	0.0210		mg/Kg-dry	1	06/28/12 03:35 PM
Xylenes, Total	ND	0.00699	0.0210		mg/Kg-dry	1	06/28/12 03:35 PM
Surr: Tetrachloroethene	113	0	79-135		%REC	1	06/28/12 03:35 PM
TOTAL MERCURY: SOIL/SOLID		SW7471B					Analyst: LM
Mercury	ND	0.0198	0.0496		mg/Kg-dry	1	07/03/12 03:11 PM
TRACE METALS: ICP-MS - SOLID		SW6020					Analyst: AJR
Arsenic	2.89	0.674	1.35		mg/Kg-dry	5	06/30/12 12:08 AM
Barium	89.0	0.674	2.70		mg/Kg-dry	5	06/30/12 12:08 AM
Cadmium	0.260	0.135	0.405	J	mg/Kg-dry	5	06/30/12 12:08 AM
Chromium	11.2	0.674	2.70		mg/Kg-dry	5	06/30/12 12:08 AM
Copper	5.25	0.674	2.70		mg/Kg-dry	5	06/30/12 12:08 AM
Iron	9190	169	169		mg/Kg-dry	50	07/03/12 02:40 PM
Lead	7.36	0.135	0.405		mg/Kg-dry	5	06/30/12 12:08 AM
Manganese	120	0.674	2.70		mg/Kg-dry	5	06/30/12 12:08 AM
Selenium	0.810	0.202	0.674		mg/Kg-dry	5	06/30/12 12:08 AM
Silver	ND	0.135	0.270		mg/Kg-dry	5	06/30/12 12:08 AM
Zinc	31.2	1.35	3.37		mg/Kg-dry	5	06/30/12 12:08 AM
TRPH		E418.1					Analyst: JBC
Petroleum Hydrocarbons, TR	19.2	7.00	14.0	N	mg/Kg-dry	1	07/09/12 10:40 AM
ANIONS BY IC METHOD - SOIL		E300					Analyst: JBC
Chloride	139	6.90	6.90		mg/Kg-dry	1	07/03/12 11:41 AM
Sulfate	153	13.8	13.8		mg/Kg-dry	1	07/03/12 11:41 AM
PERCENT MOISTURE		D2216					Analyst: JCG
Percent Moisture	28.7	0	0		WT%	1	07/10/12 08:50 AM

Qualifiers:

- * Value exceeds TCLP Maximum Concentration Level
- C Sample Result or QC discussed in the Case Narrative
- E TPH pattern not Gas or Diesel Range Pattern
- MDL Method Detection Limit
- RL Reporting Limit
- N Parameter not NELAC certified

- B Analyte detected in the associated Method Blank
- DF Dilution Factor
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- S Spike Recovery outside control limits

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DHL Analytical

Date: 11-Jul-12

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1206276

Client Sample ID: 26 (0-1)
Lab ID: 1206276-07
Collection Date: 06/27/12 10:31 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL							
		M8015D					Analyst: DO
TPH-DRO C10-C28	ND	9.88	9.88		mg/Kg-dry	1	06/30/12 02:18 PM
Surr: Isopropylbenzene	62.2	0	47-142		%REC	1	06/30/12 02:18 PM
Surr: Octacosane	110	0	25-162		%REC	1	06/30/12 02:18 PM
TPH PURGEABLE BY GC - SOIL							
		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.0974	0.195		mg/Kg-dry	1	07/02/12 06:01 PM
Surr: Tetrachlorethene	107	0	70-134		%REC	1	07/02/12 06:01 PM
VOLATILE ORGANICS BY GC							
		SW8021B					Analyst: DEW
Benzene	ND	0.00287	0.00478		mg/Kg-dry	1	06/28/12 04:00 PM
Ethylbenzene	ND	0.00478	0.0143		mg/Kg-dry	1	06/28/12 04:00 PM
Toluene	ND	0.00478	0.0143		mg/Kg-dry	1	06/28/12 04:00 PM
Xylenes, Total	ND	0.00478	0.0143		mg/Kg-dry	1	06/28/12 04:00 PM
Surr: Tetrachloroethene	109	0	79-135		%REC	1	06/28/12 04:00 PM
TOTAL MERCURY: SOIL/SOLID							
		SW7471B					Analyst: LM
Mercury	ND	0.0160	0.0399		mg/Kg-dry	1	07/03/12 03:13 PM
TRACE METALS: ICP-MS - SOLID							
		SW6020					Analyst: AJR
Arsenic	1.89	0.434	0.868		mg/Kg-dry	5	06/30/12 12:14 AM
Barium	62.7	0.434	1.74		mg/Kg-dry	5	06/30/12 12:14 AM
Cadmium	0.151	0.0868	0.260	J	mg/Kg-dry	5	06/30/12 12:14 AM
Chromium	7.94	0.434	1.74		mg/Kg-dry	5	06/30/12 12:14 AM
Copper	3.29	0.434	1.74		mg/Kg-dry	5	06/30/12 12:14 AM
Iron	6510	109	109		mg/Kg-dry	50	07/03/12 02:46 PM
Lead	4.57	0.0868	0.260		mg/Kg-dry	5	06/30/12 12:14 AM
Manganese	75.6	0.434	1.74		mg/Kg-dry	5	06/30/12 12:14 AM
Selenium	0.519	0.130	0.434		mg/Kg-dry	5	06/30/12 12:14 AM
Silver	ND	0.0868	0.174		mg/Kg-dry	5	06/30/12 12:14 AM
Zinc	19.4	0.868	2.17		mg/Kg-dry	5	06/30/12 12:14 AM
TRPH							
		E418.1					Analyst: JBC
Petroleum Hydrocarbons, TR	19.4	5.02	10.0	N	mg/Kg-dry	1	07/09/12 10:40 AM
ANIONS BY IC METHOD - SOIL							
		E300					Analyst: JBC
Chloride	ND	4.97	4.97		mg/Kg-dry	1	07/03/12 11:52 AM
Sulfate	17.1	9.93	9.93		mg/Kg-dry	1	07/03/12 11:52 AM
PERCENT MOISTURE							
		D2216					Analyst: JCG
Percent Moisture	0.708	0	0		WT%	1	07/10/12 08:50 AM

Qualifiers:

- * Value exceeds TCLP Maximum Concentration Level
- C Sample Result or QC discussed in the Case Narrative
- E TPH pattern not Gas or Diesel Range Pattern
- MDL Method Detection Limit
- RL Reporting Limit
- N Parameter not NELAC certified

- B Analyte detected in the associated Method Blank
- DF Dilution Factor
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- S Spike Recovery outside control limits

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DHL Analytical

Date: 11-Jul-12

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1206276

Client Sample ID: DUP (0-1)
Lab ID: 1206276-08
Collection Date: 06/27/12 10:35 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL		M8015D					Analyst: DO
TPH-DRO C10-C28	11.9	9.84	9.84		mg/Kg-dry	1	06/30/12 02:27 PM
Surr: Isopropylbenzene	62.7	0	47-142		%REC	1	06/30/12 02:27 PM
Surr: Octacosane	109	0	25-162		%REC	1	06/30/12 02:27 PM
TPH PURGEABLE BY GC - SOIL		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.0906	0.181		mg/Kg-dry	1	07/02/12 06:26 PM
Surr: Tetrachlorethene	109	0	70-134		%REC	1	07/02/12 06:26 PM
VOLATILE ORGANICS BY GC		SW8021B					Analyst: DEW
Benzene	ND	0.00276	0.00461		mg/Kg-dry	1	06/28/12 04:25 PM
Ethylbenzene	ND	0.00461	0.0138		mg/Kg-dry	1	06/28/12 04:25 PM
Toluene	ND	0.00461	0.0138		mg/Kg-dry	1	06/28/12 04:25 PM
Xylenes, Total	ND	0.00461	0.0138		mg/Kg-dry	1	06/28/12 04:25 PM
Surr: Tetrachloroethene	109	0	79-135		%REC	1	06/28/12 04:25 PM
TOTAL MERCURY: SOIL/SOLID		SW7471B					Analyst: LM
Mercury	ND	0.0147	0.0367		mg/Kg-dry	1	07/03/12 03:15 PM
TRACE METALS: ICP-MS - SOLID		SW6020					Analyst: AJR
Arsenic	1.96	0.446	0.892		mg/Kg-dry	5	06/30/12 12:20 AM
Barium	79.4	0.446	1.78		mg/Kg-dry	5	06/30/12 12:20 AM
Cadmium	0.157	0.0892	0.268	J	mg/Kg-dry	5	06/30/12 12:20 AM
Chromium	8.18	0.446	1.78		mg/Kg-dry	5	06/30/12 12:20 AM
Copper	3.45	0.446	1.78		mg/Kg-dry	5	06/30/12 12:20 AM
Iron	6600	111	111		mg/Kg-dry	50	07/03/12 02:52 PM
Lead	4.70	0.0892	0.268		mg/Kg-dry	5	06/30/12 12:20 AM
Manganese	77.6	0.446	1.78		mg/Kg-dry	5	06/30/12 12:20 AM
Selenium	0.532	0.134	0.446		mg/Kg-dry	5	06/30/12 12:20 AM
Silver	ND	0.0892	0.178		mg/Kg-dry	5	06/30/12 12:20 AM
Zinc	19.9	0.892	2.23		mg/Kg-dry	5	06/30/12 12:20 AM
TRPH		E418.1					Analyst: JBC
Petroleum Hydrocarbons, TR	38.2	5.01	10.0	N	mg/Kg-dry	1	07/09/12 10:40 AM
ANIONS BY IC METHOD - SOIL		E300					Analyst: JBC
Chloride	ND	5.02	5.02		mg/Kg-dry	1	07/03/12 12:04 PM
Sulfate	17.2	10.0	10.0		mg/Kg-dry	1	07/03/12 12:04 PM
PERCENT MOISTURE		D2216					Analyst: JCG
Percent Moisture	0.781	0	0		WT%	1	07/10/12 08:50 AM

Qualifiers:

- * Value exceeds TCLP Maximum Concentration Level
- C Sample Result or QC discussed in the Case Narrative
- E TPH pattern not Gas or Diesel Range Pattern
- MDL Method Detection Limit
- RL Reporting Limit
- N Parameter not NELAC certified

- B Analyte detected in the associated Method Blank
- DF Dilution Factor
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- S Spike Recovery outside control limits

DHL Analytical

Date: 11-Jul-12

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1206276

Client Sample ID: 25 (5-6)
Lab ID: 1206276-09
Collection Date: 06/26/12 01:00 PM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL		M8015D					Analyst: DO
TPH-DRO C10-C28	ND	12.3	12.3		mg/Kg-dry	1	06/30/12 12:45 PM
Surr: Isopropylbenzene	58.9	0	47-142		%REC	1	06/30/12 12:45 PM
Surr: Octacosane	92.9	0	25-162		%REC	1	06/30/12 12:45 PM
TPH PURGEABLE BY GC - SOIL		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.120	0.240		mg/Kg-dry	1	07/02/12 06:52 PM
Surr: Tetrachlorethene	102	0	70-134		%REC	1	07/02/12 06:52 PM
VOLATILE ORGANICS BY GC		SW8021B					Analyst: DEW
Benzene	ND	0.00357	0.00595		mg/Kg-dry	1	06/28/12 04:50 PM
Ethylbenzene	ND	0.00595	0.0178		mg/Kg-dry	1	06/28/12 04:50 PM
Toluene	ND	0.00595	0.0178		mg/Kg-dry	1	06/28/12 04:50 PM
Xylenes, Total	ND	0.00595	0.0178		mg/Kg-dry	1	06/28/12 04:50 PM
Surr: Tetrachloroethene	101	0	79-135		%REC	1	06/28/12 04:50 PM
TOTAL MERCURY: SOIL/SOLID		SW7471B					Analyst: LM
Mercury	ND	0.0167	0.0417		mg/Kg-dry	1	07/03/12 03:17 PM
TRACE METALS: ICP-MS - SOLID		SW6020					Analyst: AJR
Arsenic	3.33	0.611	1.22		mg/Kg-dry	5	06/30/12 01:37 AM
Barium	82.0	0.611	2.44		mg/Kg-dry	5	06/30/12 01:37 AM
Cadmium	0.225	0.122	0.367	J	mg/Kg-dry	5	06/30/12 01:37 AM
Chromium	12.6	0.611	2.44		mg/Kg-dry	5	06/30/12 01:37 AM
Copper	4.95	0.611	2.44		mg/Kg-dry	5	06/30/12 01:37 AM
Iron	10400	153	153		mg/Kg-dry	50	07/03/12 02:58 PM
Lead	5.98	0.122	0.367		mg/Kg-dry	5	06/30/12 01:37 AM
Manganese	67.9	0.611	2.44		mg/Kg-dry	5	06/30/12 01:37 AM
Selenium	0.731	0.183	0.611		mg/Kg-dry	5	06/30/12 01:37 AM
Silver	ND	0.122	0.244		mg/Kg-dry	5	06/30/12 01:37 AM
Zinc	38.7	1.22	3.05		mg/Kg-dry	5	06/30/12 01:37 AM
TRPH		E418.1					Analyst: JBC
Petroleum Hydrocarbons, TR	ND	6.15	12.3	N	mg/Kg-dry	1	07/09/12 10:40 AM
ANIONS BY IC METHOD - SOIL		E300					Analyst: JBC
Chloride	60.2	6.01	6.01		mg/Kg-dry	1	07/03/12 12:15 PM
Sulfate	95.2	12.0	12.0		mg/Kg-dry	1	07/03/12 12:15 PM
PERCENT MOISTURE		D2216					Analyst: JCG
Percent Moisture	19.8	0	0		WT%	1	07/10/12 08:50 AM

Qualifiers: * Value exceeds TCLP Maximum Concentration Level
C Sample Result or QC discussed in the Case Narrative
E TPH pattern not Gas or Diesel Range Pattern
MDL Method Detection Limit
RL Reporting Limit
N Parameter not NELAC certified

B Analyte detected in the associated Method Blank
DF Dilution Factor
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
S Spike Recovery outside control limits

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DHL Analytical

Date: 11-Jul-12

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1206276

Client Sample ID: 21 (5-6)
Lab ID: 1206276-10
Collection Date: 06/26/12 12:30 PM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL							
		M8015D					Analyst: DO
TPH-DRO C10-C28	ND	9.87	9.87		mg/Kg-dry	1	06/30/12 12:54 PM
Surr: Isopropylbenzene	59.4	0	47-142		%REC	1	06/30/12 12:54 PM
Surr: Octacosane	94.0	0	25-162		%REC	1	06/30/12 12:54 PM
TPH PURGEABLE BY GC - SOIL							
		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.101	0.203		mg/Kg-dry	1	07/02/12 07:17 PM
Surr: Tetrachlorethene	105	0	70-134		%REC	1	07/02/12 07:17 PM
VOLATILE ORGANICS BY GC							
		SW8021B					Analyst: DEW
Benzene	ND	0.00296	0.00494		mg/Kg-dry	1	06/28/12 05:16 PM
Ethylbenzene	ND	0.00494	0.0148		mg/Kg-dry	1	06/28/12 05:16 PM
Toluene	ND	0.00494	0.0148		mg/Kg-dry	1	06/28/12 05:16 PM
Xylenes, Total	ND	0.00494	0.0148		mg/Kg-dry	1	06/28/12 05:16 PM
Surr: Tetrachloroethene	101	0	79-135		%REC	1	06/28/12 05:16 PM
TOTAL MERCURY: SOIL/SOLID							
		SW7471B					Analyst: LM
Mercury	ND	0.0165	0.0413		mg/Kg-dry	1	07/03/12 03:19 PM
TRACE METALS: ICP-MS - SOLID							
		SW6020					Analyst: AJR
Arsenic	3.42	0.504	1.01		mg/Kg-dry	5	06/30/12 01:43 AM
Barium	402	0.504	2.02		mg/Kg-dry	5	06/30/12 01:43 AM
Cadmium	ND	0.101	0.302		mg/Kg-dry	5	06/30/12 01:43 AM
Chromium	2.11	0.504	2.02		mg/Kg-dry	5	06/30/12 01:43 AM
Copper	2.35	0.504	2.02		mg/Kg-dry	5	06/30/12 01:43 AM
Iron	1240	12.6	12.6		mg/Kg-dry	5	06/30/12 01:43 AM
Lead	0.884	0.101	0.302		mg/Kg-dry	5	06/30/12 01:43 AM
Manganese	11.8	0.504	2.02		mg/Kg-dry	5	06/30/12 01:43 AM
Selenium	0.177	0.151	0.504	J	mg/Kg-dry	5	06/30/12 01:43 AM
Silver	ND	0.101	0.202		mg/Kg-dry	5	06/30/12 01:43 AM
Zinc	4.11	1.01	2.52		mg/Kg-dry	5	06/30/12 01:43 AM
TRPH							
		E418.1					Analyst: JBC
Petroleum Hydrocarbons, TR	ND	5.26	10.5	N	mg/Kg-dry	1	07/09/12 10:40 AM
ANIONS BY IC METHOD - SOIL							
		E300					Analyst: JBC
Chloride	ND	5.20	5.20		mg/Kg-dry	1	07/03/12 12:27 PM
Sulfate	52.8	10.4	10.4		mg/Kg-dry	1	07/03/12 12:27 PM
PERCENT MOISTURE							
		D2216					Analyst: JCG
Percent Moisture	5.50	0	0		WT%	1	07/10/12 08:50 AM

Qualifiers: * Value exceeds TCLP Maximum Concentration Level
C Sample Result or QC discussed in the Case Narrative
E TPH pattern not Gas or Diesel Range Pattern
MDL Method Detection Limit
RL Reporting Limit
N Parameter not NELAC certified

B Analyte detected in the associated Method Blank
DF Dilution Factor
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
S Spike Recovery outside control limits

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DHL Analytical

Date: 11-Jul-12

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1206276

Client Sample ID: 26 (5-6)
Lab ID: 1206276-11
Collection Date: 06/26/12 12:45 PM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL		M8015D					Analyst: DO
TPH-DRO C10-C28	ND	11.4	11.4		mg/Kg-dry	1	06/30/12 01:53 PM
Surr: Isopropylbenzene	60.2	0	47-142		%REC	1	06/30/12 01:53 PM
Surr: Octacosane	137	0	25-162		%REC	1	06/30/12 01:53 PM
TPH PURGEABLE BY GC - SOIL		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.105	0.210		mg/Kg-dry	1	07/02/12 08:33 PM
Surr: Tetrachlorethene	99.1	0	70-134		%REC	1	07/02/12 08:33 PM
VOLATILE ORGANICS BY GC		SW8021B					Analyst: DEW
Benzene	ND	0.00332	0.00554		mg/Kg-dry	1	06/28/12 06:31 PM
Ethylbenzene	ND	0.00554	0.0166		mg/Kg-dry	1	06/28/12 06:31 PM
Toluene	ND	0.00554	0.0166		mg/Kg-dry	1	06/28/12 06:31 PM
Xylenes, Total	ND	0.00554	0.0166		mg/Kg-dry	1	06/28/12 06:31 PM
Surr: Tetrachloroethene	99.4	0	79-135		%REC	1	06/28/12 06:31 PM
TOTAL MERCURY: SOIL/SOLID		SW7471B					Analyst: LM
Mercury	ND	0.0164	0.0409		mg/Kg-dry	1	07/03/12 03:21 PM
TRACE METALS: ICP-MS - SOLID		SW6020					Analyst: AJR
Arsenic	4.30	0.528	1.06		mg/Kg-dry	5	06/30/12 01:49 AM
Barium	2480	0.528	2.11		mg/Kg-dry	5	06/30/12 01:49 AM
Cadmium	0.253	0.106	0.317	J	mg/Kg-dry	5	06/30/12 01:49 AM
Chromium	3.74	0.528	2.11		mg/Kg-dry	5	06/30/12 01:49 AM
Copper	4.28	0.528	2.11		mg/Kg-dry	5	06/30/12 01:49 AM
Iron	2640	13.2	13.2		mg/Kg-dry	5	06/30/12 01:49 AM
Lead	2.06	0.106	0.317		mg/Kg-dry	5	06/30/12 01:49 AM
Manganese	38.8	0.528	2.11		mg/Kg-dry	5	06/30/12 01:49 AM
Selenium	0.527	0.158	0.528	J	mg/Kg-dry	5	06/30/12 01:49 AM
Silver	ND	0.106	0.211		mg/Kg-dry	5	06/30/12 01:49 AM
Zinc	9.81	1.06	2.64		mg/Kg-dry	5	06/30/12 01:49 AM
TRPH		E418.1					Analyst: JBC
Petroleum Hydrocarbons, TR	ND	5.68	11.4	N	mg/Kg-dry	1	07/09/12 10:40 AM
ANIONS BY IC METHOD - SOIL		E300					Analyst: JBC
Chloride	25.5	5.79	5.79		mg/Kg-dry	1	07/03/12 12:39 PM
Sulfate	81.0	11.6	11.6		mg/Kg-dry	1	07/03/12 12:39 PM
PERCENT MOISTURE		D2216					Analyst: JCG
Percent Moisture	16.1	0	0		WT%	1	07/10/12 08:50 AM

Qualifiers: * Value exceeds TCLP Maximum Concentration Level
C Sample Result or QC discussed in the Case Narrative
E TPH pattern not Gas or Diesel Range Pattern
MDL Method Detection Limit
RL Reporting Limit
N Parameter not NELAC certified

B Analyte detected in the associated Method Blank
DF Dilution Factor
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
S Spike Recovery outside control limits

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DHL Analytical

Date: 11-Jul-12

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1206276

Client Sample ID: 17 (5-6)
Lab ID: 1206276-12
Collection Date: 06/26/12 12:15 PM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL		M8015D					Analyst: DO
TPH-DRO C10-C28	ND	11.0	11.0		mg/Kg-dry	1	06/30/12 02:01 PM
Surr: Isopropylbenzene	69.1	0	47-142		%REC	1	06/30/12 02:01 PM
Surr: Octacosane	99.2	0	25-162		%REC	1	06/30/12 02:01 PM
TPH PURGEABLE BY GC - SOIL		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.115	0.230		mg/Kg-dry	1	07/02/12 08:58 PM
Surr: Tetrachlorethene	103	0	70-134		%REC	1	07/02/12 08:58 PM
VOLATILE ORGANICS BY GC		SW8021B					Analyst: DEW
Benzene	ND	0.00342	0.00570		mg/Kg-dry	1	06/28/12 06:57 PM
Ethylbenzene	ND	0.00570	0.0171		mg/Kg-dry	1	06/28/12 06:57 PM
Toluene	ND	0.00570	0.0171		mg/Kg-dry	1	06/28/12 06:57 PM
Xylenes, Total	ND	0.00570	0.0171		mg/Kg-dry	1	06/28/12 06:57 PM
Surr: Tetrachloroethene	99.6	0	79-135		%REC	1	06/28/12 06:57 PM
TOTAL MERCURY: SOIL/SOLID		SW7471B					Analyst: LM
Mercury	ND	0.0181	0.0454		mg/Kg-dry	1	07/03/12 03:24 PM
TRACE METALS: ICP-MS - SOLID		SW6020					Analyst: AJR
Arsenic	3.84	0.545	1.09		mg/Kg-dry	5	06/30/12 01:54 AM
Barium	401	0.545	2.18		mg/Kg-dry	5	06/30/12 01:54 AM
Cadmium	0.113	0.109	0.327	J	mg/Kg-dry	5	06/30/12 01:54 AM
Chromium	3.86	0.545	2.18		mg/Kg-dry	5	06/30/12 01:54 AM
Copper	2.72	0.545	2.18		mg/Kg-dry	5	06/30/12 01:54 AM
Iron	2530	13.6	13.6		mg/Kg-dry	5	06/30/12 01:54 AM
Lead	1.51	0.109	0.327		mg/Kg-dry	5	06/30/12 01:54 AM
Manganese	19.6	0.545	2.18		mg/Kg-dry	5	06/30/12 01:54 AM
Selenium	0.237	0.164	0.545	J	mg/Kg-dry	5	06/30/12 01:54 AM
Silver	ND	0.109	0.218		mg/Kg-dry	5	06/30/12 01:54 AM
Zinc	5.96	1.09	2.73		mg/Kg-dry	5	06/30/12 01:54 AM
TRPH		E418.1					Analyst: JBC
Petroleum Hydrocarbons, TR	ND	5.91	11.8	N	mg/Kg-dry	1	07/09/12 10:40 AM
ANIONS BY IC METHOD - SOIL		E300					Analyst: JBC
Chloride	196	5.91	5.91		mg/Kg-dry	1	07/03/12 12:50 PM
Sulfate	135	11.8	11.8		mg/Kg-dry	1	07/03/12 12:50 PM
PERCENT MOISTURE		D2216					Analyst: JCG
Percent Moisture	15.9	0	0		WT%	1	07/10/12 08:50 AM

Qualifiers:

- * Value exceeds TCLP Maximum Concentration Level
- C Sample Result or QC discussed in the Case Narrative
- E TPH pattern not Gas or Diesel Range Pattern
- MDL Method Detection Limit
- RL Reporting Limit
- N Parameter not NELAC certified

- B Analyte detected in the associated Method Blank
- DF Dilution Factor
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- S Spike Recovery outside control limits

DHL Analytical

Date: 11-Jul-12

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1206276

Client Sample ID: 19 (5-6)
Lab ID: 1206276-13
Collection Date: 06/26/12 11:45 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL							
		M8015D					Analyst: DO
TPH-DRO C10-C28	ND	12.7	12.7		mg/Kg-dry	1	06/30/12 01:02 PM
Surr: Isopropylbenzene	58.5	0	47-142		%REC	1	06/30/12 01:02 PM
Surr: Octacosane	98.8	0	25-162		%REC	1	06/30/12 01:02 PM
TPH PURGEABLE BY GC - SOIL							
		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.127	0.254		mg/Kg-dry	1	07/02/12 09:24 PM
Surr: Tetrachlorethene	99.4	0	70-134		%REC	1	07/02/12 09:24 PM
VOLATILE ORGANICS BY GC							
		SW8021B					Analyst: DEW
Benzene	ND	0.00353	0.00589		mg/Kg-dry	1	06/28/12 07:22 PM
Ethylbenzene	ND	0.00589	0.0177		mg/Kg-dry	1	06/28/12 07:22 PM
Toluene	ND	0.00589	0.0177		mg/Kg-dry	1	06/28/12 07:22 PM
Xylenes, Total	ND	0.00589	0.0177		mg/Kg-dry	1	06/28/12 07:22 PM
Surr: Tetrachloroethene	95.9	0	79-135		%REC	1	06/28/12 07:22 PM
TOTAL MERCURY: SOIL/SOLID							
		SW7471B					Analyst: LM
Mercury	ND	0.0105	0.0262		mg/Kg-dry	1	07/03/12 03:26 PM
TRACE METALS: ICP-MS - SOLID							
		SW6020					Analyst: AJR
Arsenic	2.55	0.354	0.708		mg/Kg-dry	5	06/30/12 02:00 AM
Barium	236	0.354	1.42		mg/Kg-dry	5	06/30/12 02:00 AM
Cadmium	0.155	0.0708	0.212	J	mg/Kg-dry	5	06/30/12 02:00 AM
Chromium	6.50	0.354	1.42		mg/Kg-dry	5	06/30/12 02:00 AM
Copper	2.34	0.354	1.42		mg/Kg-dry	5	06/30/12 02:00 AM
Iron	5430	88.5	88.5		mg/Kg-dry	50	07/03/12 03:04 PM
Lead	3.20	0.0708	0.212		mg/Kg-dry	5	06/30/12 02:00 AM
Manganese	56.7	0.354	1.42		mg/Kg-dry	5	06/30/12 02:00 AM
Selenium	0.541	0.106	0.354		mg/Kg-dry	5	06/30/12 02:00 AM
Silver	ND	0.0708	0.142		mg/Kg-dry	5	06/30/12 02:00 AM
Zinc	12.2	0.708	1.77		mg/Kg-dry	5	06/30/12 02:00 AM
TRPH							
		E418.1					Analyst: JBC
Petroleum Hydrocarbons, TR	ND	6.74	13.5	N	mg/Kg-dry	1	07/09/12 10:40 AM
ANIONS BY IC METHOD - SOIL							
		E300					Analyst: JBC
Chloride	122	5.99	5.99		mg/Kg-dry	1	07/03/12 01:02 PM
Sulfate	287	12.0	12.0		mg/Kg-dry	1	07/03/12 01:02 PM
PERCENT MOISTURE							
		D2216					Analyst: JCG
Percent Moisture	26.0	0	0		WT%	1	07/10/12 08:50 AM

Qualifiers: * Value exceeds TCLP Maximum Concentration Level
 C Sample Result or QC discussed in the Case Narrative
 E TPH pattern not Gas or Diesel Range Pattern
 MDL Method Detection Limit
 RL Reporting Limit
 N Parameter not NELAC certified

B Analyte detected in the associated Method Blank
 DF Dilution Factor
 J Analyte detected between MDL and RL
 ND Not Detected at the Method Detection Limit
 S Spike Recovery outside control limits

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DHL Analytical

Date: 11-Jul-12

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1206276

Client Sample ID: 18 (5-6)
Lab ID: 1206276-14
Collection Date: 06/26/12 12:00 PM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL							
		M8015D					Analyst: DO
TPH-DRO C10-C28	ND	11.7	11.7		mg/Kg-dry	1	06/30/12 01:11 PM
Surr: Isopropylbenzene	48.1	0	47-142		%REC	1	06/30/12 01:11 PM
Surr: Octacosane	97.4	0	25-162		%REC	1	06/30/12 01:11 PM
TPH PURGEABLE BY GC - SOIL							
		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.120	0.240		mg/Kg-dry	1	07/02/12 09:49 PM
Surr: Tetrachlorethene	104	0	70-134		%REC	1	07/02/12 09:49 PM
VOLATILE ORGANICS BY GC							
		SW8021B					Analyst: DEW
Benzene	ND	0.00344	0.00574		mg/Kg-dry	1	06/28/12 07:47 PM
Ethylbenzene	ND	0.00574	0.0172		mg/Kg-dry	1	06/28/12 07:47 PM
Toluene	ND	0.00574	0.0172		mg/Kg-dry	1	06/28/12 07:47 PM
Xylenes, Total	ND	0.00574	0.0172		mg/Kg-dry	1	06/28/12 07:47 PM
Surr: Tetrachloroethene	100	0	79-135		%REC	1	06/28/12 07:47 PM
TOTAL MERCURY: SOIL/SOLID							
		SW7471B					Analyst: LM
Mercury	ND	0.00881	0.0220		mg/Kg-dry	1	07/03/12 03:35 PM
TRACE METALS: ICP-MS - SOLID							
		SW6020					Analyst: AJR
Arsenic	4.77	0.315	0.631		mg/Kg-dry	5	06/30/12 02:06 AM
Barium	296	0.315	1.26		mg/Kg-dry	5	06/30/12 02:06 AM
Cadmium	0.195	0.0631	0.189		mg/Kg-dry	5	06/30/12 02:06 AM
Chromium	4.32	0.315	1.26		mg/Kg-dry	5	06/30/12 02:06 AM
Copper	2.33	0.315	1.26		mg/Kg-dry	5	06/30/12 02:06 AM
Iron	3350	78.9	78.9		mg/Kg-dry	50	07/03/12 01:07 PM
Lead	2.30	0.0631	0.189		mg/Kg-dry	5	06/30/12 02:06 AM
Manganese	34.5	0.315	1.26		mg/Kg-dry	5	06/30/12 02:06 AM
Selenium	0.557	0.0946	0.315		mg/Kg-dry	5	06/30/12 02:06 AM
Silver	ND	0.0631	0.126		mg/Kg-dry	5	06/30/12 02:06 AM
Zinc	7.93	0.631	1.58		mg/Kg-dry	5	06/30/12 02:06 AM
TRPH							
		E418.1					Analyst: JBC
Petroleum Hydrocarbons, TR	ND	6.11	12.2	N	mg/Kg-dry	1	07/09/12 10:40 AM
ANIONS BY IC METHOD - SOIL							
		E300					Analyst: JBC
Chloride	80.9	5.72	5.72		mg/Kg-dry	1	07/03/12 01:13 PM
Sulfate	179	11.4	11.4		mg/Kg-dry	1	07/03/12 01:13 PM
PERCENT MOISTURE							
		D2216					Analyst: JCG
Percent Moisture	18.3	0	0		WT%	1	07/10/12 08:50 AM

Qualifiers:

- * Value exceeds TCLP Maximum Concentration Level
- C Sample Result or QC discussed in the Case Narrative
- E TPH pattern not Gas or Diesel Range Pattern
- MDL Method Detection Limit
- RL Reporting Limit
- N Parameter not NELAC certified

- B Analyte detected in the associated Method Blank
- DF Dilution Factor
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- S Spike Recovery outside control limits

DHL Analytical

Date: 11-Jul-12

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1206276

Client Sample ID: 20 (5-6)
Lab ID: 1206276-15
Collection Date: 06/26/12 11:30 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL							
		M8015D					Analyst: DO
TPH-DRO C10-C28	ND	12.1	12.1		mg/Kg-dry	1	06/30/12 01:19 PM
Surr: Isopropylbenzene	49.3	0	47-142		%REC	1	06/30/12 01:19 PM
Surr: Octacosane	95.8	0	25-162		%REC	1	06/30/12 01:19 PM
TPH PURGEABLE BY GC - SOIL							
		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.117	0.233		mg/Kg-dry	1	07/02/12 10:14 PM
Surr: Tetrachlorethene	101	0	70-134		%REC	1	07/02/12 10:14 PM
VOLATILE ORGANICS BY GC							
		SW8021B					Analyst: DEW
Benzene	ND	0.00353	0.00588		mg/Kg-dry	1	06/28/12 08:13 PM
Ethylbenzene	ND	0.00588	0.0177		mg/Kg-dry	1	06/28/12 08:13 PM
Toluene	ND	0.00588	0.0177		mg/Kg-dry	1	06/28/12 08:13 PM
Xylenes, Total	ND	0.00588	0.0177		mg/Kg-dry	1	06/28/12 08:13 PM
Surr: Tetrachloroethene	96.2	0	79-135		%REC	1	06/28/12 08:13 PM
TOTAL MERCURY: SOIL/SOLID							
		SW7471B					Analyst: LM
Mercury	ND	0.0171	0.0429		mg/Kg-dry	1	07/03/12 03:37 PM
TRACE METALS: ICP-MS - SOLID							
		SW6020					Analyst: AJR
Arsenic	6.04	0.581	1.16		mg/Kg-dry	5	06/30/12 02:12 AM
Barium	389	0.581	2.32		mg/Kg-dry	5	06/30/12 02:12 AM
Cadmium	0.126	0.116	0.349	J	mg/Kg-dry	5	06/30/12 02:12 AM
Chromium	2.26	0.581	2.32	J	mg/Kg-dry	5	06/30/12 02:12 AM
Copper	6.23	0.581	2.32		mg/Kg-dry	5	06/30/12 02:12 AM
Iron	1450	14.5	14.5		mg/Kg-dry	5	06/30/12 02:12 AM
Lead	0.968	0.116	0.349		mg/Kg-dry	5	06/30/12 02:12 AM
Manganese	17.6	0.581	2.32		mg/Kg-dry	5	06/30/12 02:12 AM
Selenium	0.305	0.174	0.581	J	mg/Kg-dry	5	06/30/12 02:12 AM
Silver	ND	0.116	0.232		mg/Kg-dry	5	06/30/12 02:12 AM
Zinc	6.94	1.16	2.90		mg/Kg-dry	5	06/30/12 02:12 AM
TRPH							
		E418.1					Analyst: JBC
Petroleum Hydrocarbons, TR	ND	5.87	11.7	N	mg/Kg-dry	1	07/09/12 10:40 AM
ANIONS BY IC METHOD - SOIL							
		E300					Analyst: JBC
Chloride	36.0	5.92	5.92		mg/Kg-dry	1	07/03/12 01:25 PM
Sulfate	136	11.8	11.8		mg/Kg-dry	1	07/03/12 01:25 PM
PERCENT MOISTURE							
		D2216					Analyst: JCG
Percent Moisture	21.0	0	0		WT%	1	07/10/12 08:50 AM

Qualifiers:

* Value exceeds TCLP Maximum Concentration Level	B Analyte detected in the associated Method Blank
C Sample Result or QC discussed in the Case Narrative	DF Dilution Factor
E TPH pattern not Gas or Diesel Range Pattern	J Analyte detected between MDL and RL
MDL Method Detection Limit	ND Not Detected at the Method Detection Limit
RL Reporting Limit	S Spike Recovery outside control limits
N Parameter not NELAC certified	

Page 15 of 15

CLIENT: Larson & Associates

Work Order: 1206276

Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_120630A

The QC data in batch 52524 applies to the following samples: 1206276-01C, 1206276-02C, 1206276-03C, 1206276-04C, 1206276-05C, 1206276-06C, 1206276-07C, 1206276-08C, 1206276-09B, 1206276-10B, 1206276-11B, 1206276-12B

Sample ID: LCS-52524	Batch ID: 52524	TestNo: M8015D	Units: mg/Kg
SampType: LCS	Run ID: GC15_120630A	Analysis Date: 6/30/2012 12:11:51 PM	Prep Date: 6/28/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	117	10.0	125.0	0	93.3	50	114			
Surr: Isopropylbenzene	4.52		7.500		60.2	47	142			
Surr: Octacosane	7.22		7.500		96.2	25	162			

Sample ID: MB-52524	Batch ID: 52524	TestNo: M8015D	Units: mg/Kg
SampType: MBLK	Run ID: GC15_120630A	Analysis Date: 6/30/2012 12:28:49 PM	Prep Date: 6/28/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	ND	10.0								
Surr: Isopropylbenzene	1.87		7.500		24.9	47	142			S
Surr: Octacosane	7.14		7.500		95.2	25	162			

Sample ID: 1206276-10BMS	Batch ID: 52524	TestNo: M8015D	Units: mg/Kg-dry
SampType: MS	Run ID: GC15_120630A	Analysis Date: 6/30/2012 5:50:43 PM	Prep Date: 6/28/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	104	10.1	126.2	0	82.5	50	114			
Surr: Isopropylbenzene	3.26		7.573		43.0	47	142			S
Surr: Octacosane	6.92		7.573		91.4	25	162			

Sample ID: 1206276-10BMSD	Batch ID: 52524	TestNo: M8015D	Units: mg/Kg-dry
SampType: MSD	Run ID: GC15_120630A	Analysis Date: 6/30/2012 5:59:10 PM	Prep Date: 6/28/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	111	10.3	128.4	0	86.1	50	114	5.98	30	
Surr: Isopropylbenzene	3.07		7.705		39.9	47	142	0	0	S
Surr: Octacosane	7.02		7.705		91.1	25	162	0	0	

Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

- DF Dilution Factor
- MDL Method Detection Limit
- R RPD outside accepted control limits
- S Spike Recovery outside control limits
- N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1206276
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_120630A

The QC data in batch 52544 applies to the following samples: 1206276-13B, 1206276-14B, 1206276-15B

Sample ID: LCS-52544	Batch ID: 52544	TestNo: M8015D	Units: mg/Kg							
SampType: LCS	Run ID: GC15_120630A	Analysis Date: 6/30/2012 12:03:22 PM	Prep Date: 6/29/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

TPH-DRO C10-C28	117	10.0	125.0	0	93.3	50	114			
Surr: Isopropylbenzene	5.17		7.500		68.9	47	142			
Surr: Octacosane	7.13		7.500		95.1	25	162			

Sample ID: MB-52544	Batch ID: 52544	TestNo: M8015D	Units: mg/Kg							
SampType: MBLK	Run ID: GC15_120630A	Analysis Date: 6/30/2012 12:37:17 PM	Prep Date: 6/29/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

TPH-DRO C10-C28	ND	10.0								
Surr: Isopropylbenzene	4.42		7.500		58.9	47	142			
Surr: Octacosane	7.33		7.500		97.7	25	162			

Sample ID: 1206276-14BMS	Batch ID: 52544	TestNo: M8015D	Units: mg/Kg-dry							
SampType: MS	Run ID: GC15_120630A	Analysis Date: 6/30/2012 6:07:37 PM	Prep Date: 6/29/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

TPH-DRO C10-C28	121	11.6	144.9	0	83.8	50	114			
Surr: Isopropylbenzene	2.73		8.694		31.4	47	142			S
Surr: Octacosane	7.33		8.694		84.4	25	162			

Sample ID: 1206276-14BMSD	Batch ID: 52544	TestNo: M8015D	Units: mg/Kg-dry							
SampType: MSD	Run ID: GC15_120630A	Analysis Date: 6/30/2012 6:16:09 PM	Prep Date: 6/29/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

TPH-DRO C10-C28	121	11.4	142.6	0	84.9	50	114	0.326	30	
Surr: Isopropylbenzene	2.72		8.556		31.8	47	142	0	0	S
Surr: Octacosane	7.09		8.556		82.8	25	162	0	0	

Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

- DF Dilution Factor
- MDL Method Detection Limit
- R RPD outside accepted control limits
- S Spike Recovery outside control limits
- N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1206276
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_120630A

Sample ID: ICV-120630	Batch ID: R61207	TestNo: M8015D	Units: mg/Kg
SampType: ICV	Run ID: GC15_120630A	Analysis Date: 6/30/2012 11:44:10 AM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	580	10.0	500.0	0	116	80	120			
Surr: Isopropylbenzene	26.6		25.00		107	47	142			
Surr: Octacosane	25.0		25.00		99.9	25	162			

Sample ID: CCV1-120630	Batch ID: R61207	TestNo: M8015D	Units: mg/Kg
SampType: CCV	Run ID: GC15_120630A	Analysis Date: 6/30/2012 1:36:32 PM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	291	10.0	250.0	0	116	80	120			
Surr: Isopropylbenzene	13.2		12.50		106	47	142			
Surr: Octacosane	13.0		12.50		104	25	162			

Sample ID: CCV2-120630	Batch ID: R61207	TestNo: M8015D	Units: mg/Kg
SampType: CCV	Run ID: GC15_120630A	Analysis Date: 6/30/2012 3:26:43 PM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	287	10.0	250.0	0	115	80	120			
Surr: Isopropylbenzene	13.1		12.50		105	47	142			
Surr: Octacosane	12.6		12.50		101	25	162			

Sample ID: CCV3-120630	Batch ID: R61207	TestNo: M8015D	Units: mg/Kg
SampType: CCV	Run ID: GC15_120630A	Analysis Date: 6/30/2012 5:25:21 PM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	258	10.0	250.0	0	103	80	120			
Surr: Isopropylbenzene	13.0		12.50		104	47	142			
Surr: Octacosane	12.5		12.50		100	25	162			

Sample ID: CCV4-120630	Batch ID: R61207	TestNo: M8015D	Units: mg/Kg
SampType: CCV	Run ID: GC15_120630A	Analysis Date: 6/30/2012 7:57:05 PM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	288	10.0	250.0	0	115	80	120			
Surr: Isopropylbenzene	13.2		12.50		106	47	142			
Surr: Octacosane	13.8		12.50		110	25	162			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Larson & Associates

Work Order: 1206276

Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_120628A

The QC data in batch 52516 applies to the following samples: 1206276-01A, 1206276-02A, 1206276-03A, 1206276-04A, 1206276-05A, 1206276-06A, 1206276-07A, 1206276-08A, 1206276-09A, 1206276-10A, 1206276-11A, 1206276-12A, 1206276-13A, 1206276-14A, 1206276-15A

Sample ID: LCS-52516	Batch ID: 52516	TestNo: SW8021B	Units: mg/Kg							
SampType: LCS	Run ID: GC4_120628A	Analysis Date: 6/28/2012 12:10:28 PM	Prep Date: 6/28/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.0979	0.00500	0.1000	0	97.9	65	113			
Toluene	0.0983	0.0150	0.1000	0	98.3	73	115			
Ethylbenzene	0.0975	0.0150	0.1000	0	97.5	74	118			
Xylenes, Total	0.297	0.0150	0.3000	0	98.9	73	119			
Surr: Tetrachloroethene	0.222		0.2000		111	79	135			

Sample ID: MB-52516	Batch ID: 52516	TestNo: SW8021B	Units: mg/Kg							
SampType: MBLK	Run ID: GC4_120628A	Analysis Date: 6/28/2012 1:01:41 PM	Prep Date: 6/28/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.00500								
Toluene	ND	0.0150								
Ethylbenzene	ND	0.0150								
Xylenes, Total	ND	0.0150								
Surr: Tetrachloroethene	0.206		0.2000		103	79	135			

Sample ID: 1206276-15AMS	Batch ID: 52516	TestNo: SW8021B	Units: mg/Kg-dry							
SampType: MS	Run ID: GC4_120628A	Analysis Date: 6/28/2012 10:46:08 PM	Prep Date: 6/28/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.122	0.00610	0.1220	0	100	65	113			
Toluene	0.123	0.0183	0.1220	0	101	73	115			
Ethylbenzene	0.120	0.0183	0.1220	0	98.3	74	118			
Xylenes, Total	0.363	0.0183	0.3660	0	99.2	73	119			
Surr: Tetrachloroethene	0.240		0.2440		98.5	79	135			

Sample ID: 1206276-15AMSD	Batch ID: 52516	TestNo: SW8021B	Units: mg/Kg-dry							
SampType: MSD	Run ID: GC4_120628A	Analysis Date: 6/28/2012 11:10:54 PM	Prep Date: 6/28/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.130	0.00622	0.1244	0	104	65	113	6.11	30	
Toluene	0.128	0.0187	0.1244	0	103	73	115	3.88	30	
Ethylbenzene	0.125	0.0187	0.1244	0	100	74	118	3.76	30	
Xylenes, Total	0.379	0.0187	0.3732	0	102	73	119	4.44	30	
Surr: Tetrachloroethene	0.243		0.2488		97.6	79	135	0	0	

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1206276
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_120628A

Sample ID: ICV-120628	Batch ID: R61179	TestNo: SW8021B	Units: mg/Kg							
SampType: ICV	Run ID: GC4_120628A	Analysis Date: 6/28/2012 11:45:19 AM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.201	0.00500	0.2000	0	100	80	120			
Toluene	0.201	0.0150	0.2000	0	100	80	120			
Ethylbenzene	0.199	0.0150	0.2000	0	99.5	80	120			
Xylenes, Total	0.605	0.0150	0.6000	0	101	80	120			
Surr: Tetrachloroethene	0.247		0.2000		123	79	135			

Sample ID: CCV1-120628	Batch ID: R61179	TestNo: SW8021B	Units: mg/Kg							
SampType: CCV	Run ID: GC4_120628A	Analysis Date: 6/28/2012 5:42:00 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.101	0.00500	0.1000	0	101	80	120			
Toluene	0.103	0.0150	0.1000	0	103	80	120			
Ethylbenzene	0.0998	0.0150	0.1000	0	99.8	80	120			
Xylenes, Total	0.302	0.0150	0.3000	0	101	80	120			
Surr: Tetrachloroethene	0.196		0.2000		97.8	79	135			

Sample ID: CCV2-120628	Batch ID: R61179	TestNo: SW8021B	Units: mg/Kg							
SampType: CCV	Run ID: GC4_120628A	Analysis Date: 6/28/2012 11:37:30 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.0957	0.00500	0.1000	0	95.7	80	120			
Toluene	0.0983	0.0150	0.1000	0	98.3	80	120			
Ethylbenzene	0.0965	0.0150	0.1000	0	96.5	80	120			
Xylenes, Total	0.292	0.0150	0.3000	0	97.4	80	120			
Surr: Tetrachloroethene	0.182		0.2000		90.9	79	135			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1206276
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_120702A

The QC data in batch 52519 applies to the following samples: 1206276-01A, 1206276-02A, 1206276-03A, 1206276-04A, 1206276-05A, 1206276-06A, 1206276-07A, 1206276-08A, 1206276-09A, 1206276-10A, 1206276-11A, 1206276-12A, 1206276-13A, 1206276-14A, 1206276-15A

Sample ID: LCS-52519	Batch ID: 52519	TestNo: M8015V	Units: mg/Kg							
SampType: LCS	Run ID: GC4_120702A	Analysis Date: 7/2/2012 1:46:40 PM	Prep Date: 7/2/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	4.79	0.200	5.000	0	95.8	68	126			
Surr: Tetrachlorethene	0.418		0.4000		104	70	134			

Sample ID: MB-52519	Batch ID: 52519	TestNo: M8015V	Units: mg/Kg							
SampType: MBLK	Run ID: GC4_120702A	Analysis Date: 7/2/2012 3:03:32 PM	Prep Date: 7/2/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	ND	0.200								
Surr: Tetrachlorethene	0.410		0.4000		103	70	134			

Sample ID: 1206276-15AMS	Batch ID: 52519	TestNo: M8015V	Units: mg/Kg-dry							
SampType: MS	Run ID: GC4_120702A	Analysis Date: 7/3/2012 12:48:40 AM	Prep Date: 7/2/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	4.72	0.246	6.147	0	76.8	68	126			
Surr: Tetrachlorethene	0.493		0.4918		100	70	134			

Sample ID: 1206276-15AMSD	Batch ID: 52519	TestNo: M8015V	Units: mg/Kg-dry							
SampType: MSD	Run ID: GC4_120702A	Analysis Date: 7/3/2012 1:13:49 AM	Prep Date: 7/2/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	5.02	0.234	5.852	0	85.7	68	126	6.03	30	
Surr: Tetrachlorethene	0.474		0.4681		101	70	134	0	0	

Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

- DF Dilution Factor
- MDL Method Detection Limit
- R RPD outside accepted control limits
- S Spike Recovery outside control limits
- N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1206276
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_120702A

Sample ID: ICV-120702	Batch ID: R61232	TestNo: M8015V	Units: mg/Kg							
SampType: ICV	Run ID: GC4_120702A	Analysis Date: 7/2/2012 1:21:36 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	9.01	0.200	10.00	0	90.1	80	120			
Surr: Tetrachlorethene	0.395		0.4000		98.8	70	134			

Sample ID: CCV1-120702	Batch ID: R61232	TestNo: M8015V	Units: mg/Kg							
SampType: CCV	Run ID: GC4_120702A	Analysis Date: 7/2/2012 7:42:47 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	4.74	0.200	5.000	0	94.8	80	120			
Surr: Tetrachlorethene	0.375		0.4000		93.7	70	134			

Sample ID: CCV2-120702	Batch ID: R61232	TestNo: M8015V	Units: mg/Kg							
SampType: CCV	Run ID: GC4_120702A	Analysis Date: 7/3/2012 1:38:44 AM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	4.74	0.200	5.000	0	94.8	80	120			
Surr: Tetrachlorethene	0.364		0.4000		91.1	70	134			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1206276
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: CETAC_HG_120703D

The QC data in batch 52523 applies to the following samples: 1206276-01B, 1206276-02B, 1206276-03B, 1206276-04B, 1206276-05B, 1206276-06B, 1206276-07B, 1206276-08B, 1206276-09B, 1206276-10B, 1206276-11B, 1206276-12B, 1206276-13B, 1206276-14B, 1206276-15B

Sample ID: MB-52523	Batch ID: 52523	TestNo: SW7471B	Units: mg/Kg
SampType: MBLK	Run ID: CETAC_HG_120703D	Analysis Date: 7/3/2012 2:12:39 PM	Prep Date: 6/29/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.0400								

Sample ID: LCS-52523	Batch ID: 52523	TestNo: SW7471B	Units: mg/Kg
SampType: LCS	Run ID: CETAC_HG_120703D	Analysis Date: 7/3/2012 2:14:41 PM	Prep Date: 6/29/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.206	0.0400	0.2000	0	103	85	115			

Sample ID: LCSD-52523	Batch ID: 52523	TestNo: SW7471B	Units: mg/Kg
SampType: LCSD	Run ID: CETAC_HG_120703D	Analysis Date: 7/3/2012 2:16:46 PM	Prep Date: 6/29/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.205	0.0400	0.2000	0	103	85	115	0.487	25	

Sample ID: 1206276-02B SD	Batch ID: 52523	TestNo: SW7471B	Units: mg/Kg-dry
SampType: SD	Run ID: CETAC_HG_120703D	Analysis Date: 7/3/2012 2:20:54 PM	Prep Date: 6/29/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0	0.170	0	0				0	10	

Sample ID: 1206276-02B PDS	Batch ID: 52523	TestNo: SW7471B	Units: mg/Kg-dry
SampType: PDS	Run ID: CETAC_HG_120703D	Analysis Date: 7/3/2012 2:26:54 PM	Prep Date: 6/29/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.228	0.0341	0.2131	0	107	85	115			

Sample ID: 1206276-02B MS	Batch ID: 52523	TestNo: SW7471B	Units: mg/Kg-dry
SampType: MS	Run ID: CETAC_HG_120703D	Analysis Date: 7/3/2012 2:28:59 PM	Prep Date: 6/29/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.184	0.0337	0.1683	0	110	80	120			

Sample ID: 1206276-02B MSD	Batch ID: 52523	TestNo: SW7471B	Units: mg/Kg-dry
SampType: MSD	Run ID: CETAC_HG_120703D	Analysis Date: 7/3/2012 2:31:02 PM	Prep Date: 6/29/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.178	0.0337	0.1684	0	106	80	120	3.67	25	

Qualifiers: B Analyte detected in the associated Method Blank J Analyte detected between MDL and RL ND Not Detected at the Method Detection Limit RL Reporting Limit J Analyte detected between SDL and RL	DF Dilution Factor MDL Method Detection Limit R RPD outside accepted control limits S Spike Recovery outside control limits N Parameter not NELAC certified
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CLIENT: Larson & Associates
Work Order: 1206276
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: CETAC_HG_120703D

Sample ID: ICV2-120703	Batch ID: R61246	TestNo: SW7471B	Units: mg/Kg							
SampType: ICV	Run ID: CETAC_HG_120703D	Analysis Date: 7/3/2012 2:08:33 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Mercury	0.00367	0.0400	0.004000	0	91.8	90	110			
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Sample ID: CCV1-120703	Batch ID: R61246	TestNo: SW7471B	Units: mg/Kg							
SampType: CCV	Run ID: CETAC_HG_120703D	Analysis Date: 7/3/2012 3:03:32 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Mercury	0.00189	0.0400	0.002000	0	94.5	90	110			
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Sample ID: CCV2-120703	Batch ID: R61246	TestNo: SW7471B	Units: mg/Kg							
SampType: CCV	Run ID: CETAC_HG_120703D	Analysis Date: 7/3/2012 3:31:01 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Mercury	0.00183	0.0400	0.002000	0	91.5	90	110			
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Sample ID: CCV3-120703	Batch ID: R61246	TestNo: SW7471B	Units: mg/Kg							
SampType: CCV	Run ID: CETAC_HG_120703D	Analysis Date: 7/3/2012 3:43:23 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Mercury	0.00187	0.0400	0.002000	0	93.5	90	110			
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Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1206276
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_120629A

The QC data in batch 52515 applies to the following samples: 1206276-01B, 1206276-02B, 1206276-03B, 1206276-04B, 1206276-05B, 1206276-06B, 1206276-07B, 1206276-08B, 1206276-09B, 1206276-10B, 1206276-11B, 1206276-12B, 1206276-13B, 1206276-14B, 1206276-15B

Sample ID: MB-52515	Batch ID: 52515	TestNo: SW6020	Units: mg/Kg
SampType: MBLK	Run ID: ICP-MS2_120629A	Analysis Date: 6/29/2012 10:56:00 PM	Prep Date: 6/29/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	1.00								
Barium	ND	2.00								
Cadmium	ND	0.300								
Chromium	ND	2.00								
Copper	ND	2.00								
Iron	ND	12.5								
Lead	0.116	0.300								
Manganese	ND	2.00								
Selenium	ND	0.500								
Silver	ND	0.200								
Zinc	ND	2.50								

Sample ID: LCS-52515	Batch ID: 52515	TestNo: SW6020	Units: mg/Kg
SampType: LCS	Run ID: ICP-MS2_120629A	Analysis Date: 6/29/2012 11:02:00 PM	Prep Date: 6/29/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	48.6	1.00	50.00	0	97.2	80	120			
Barium	48.6	2.00	50.00	0	97.3	80	120			
Cadmium	49.0	0.300	50.00	0	98.0	80	120			
Chromium	52.7	2.00	50.00	0	105	80	120			
Copper	50.6	2.00	50.00	0	101	80	120			
Iron	290	12.5	250.0	0	116	80	120			
Lead	49.2	0.300	50.00	0	98.4	80	120			
Manganese	52.2	2.00	50.00	0	104	80	120			
Selenium	46.4	0.500	50.00	0	92.8	80	120			
Silver	49.3	0.200	50.00	0	98.6	80	120			
Zinc	49.2	2.50	50.00	0	98.5	80	120			

Sample ID: LCSD-52515	Batch ID: 52515	TestNo: SW6020	Units: mg/Kg
SampType: LCSD	Run ID: ICP-MS2_120629A	Analysis Date: 6/29/2012 11:08:00 PM	Prep Date: 6/29/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	49.4	1.00	50.00	0	98.7	80	120	1.58	20	
Barium	48.6	2.00	50.00	0	97.2	80	120	0.051	20	
Cadmium	49.8	0.300	50.00	0	99.6	80	120	1.52	20	
Chromium	54.2	2.00	50.00	0	108	80	120	2.76	20	
Copper	52.3	2.00	50.00	0	105	80	120	3.21	20	
Iron	294	12.5	250.0	0	117	80	120	1.11	20	
Lead	49.6	0.300	50.00	0	99.2	80	120	0.810	20	

Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

- DF Dilution Factor
- MDL Method Detection Limit
- R RPD outside accepted control limits
- S Spike Recovery outside control limits
- N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1206276
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_120629A

Sample ID: LCSD-52515	Batch ID: 52515	TestNo: SW6020	Units: mg/Kg							
SampType: LCSD	Run ID: ICP-MS2_120629A	Analysis Date: 6/29/2012 11:08:00 PM	Prep Date: 6/29/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Manganese	53.1	2.00	50.00	0	106	80	120	1.80	20	
Selenium	46.3	0.500	50.00	0	92.6	80	120	0.108	20	
Silver	49.1	0.200	50.00	0	98.2	80	120	0.356	20	
Zinc	50.0	2.50	50.00	0	99.9	80	120	1.41	20	

Sample ID: 1206276-02B SD	Batch ID: 52515	TestNo: SW6020	Units: mg/Kg-dry							
SampType: SD	Run ID: ICP-MS2_120629A	Analysis Date: 6/29/2012 11:26:00 PM	Prep Date: 6/29/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Arsenic	2.76	4.93	0	2.695				2.44	10	
Barium	130	9.86	0	133.0				2.25	10	
Cadmium	0	1.48	0	0.1911				0	10	
Chromium	9.49	9.86	0	9.119				3.96	10	
Copper	6.32	9.86	0	6.362				0.700	10	
Lead	10.5	1.48	0	10.61				1.46	10	
Manganese	98.7	9.86	0	93.34				5.59	10	
Selenium	0.817	2.47	0	0.5711				35.5	10	R
Silver	0	0.986	0	0				0	10	
Zinc	29.3	12.3	0	27.15				7.56	10	

Sample ID: 1206276-02B PDS		Batch ID: 52515		TestNo: SW6020		Units: mg/Kg-dry				
SampType: PDS		Run ID: ICP-MS2_120629A		Analysis Date: 6/30/2012 12:26:00 AM		Prep Date: 6/29/2012				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Arsenic	50.7	0.986	49.32	2.695	97.3	75	125			
Barium	182	1.97	49.32	133.0	99.3	75	125			
Cadmium	47.2	0.296	49.32	0.1911	95.4	75	125			
Chromium	58.1	1.97	49.32	9.119	99.4	75	125			
Copper	55.8	1.97	49.32	6.362	100	75	125			
Lead	59.2	0.296	49.32	10.61	98.6	75	125			
Manganese	142	1.97	49.32	93.34	99.3	75	125			
Selenium	44.4	0.493	49.32	0.5711	88.8	75	125			
Silver	47.6	0.197	49.32	0	96.6	75	125			
Zinc	74.4	2.47	49.32	27.15	95.8	75	125			

Sample ID: 1206276-02B MS	Batch ID: 52515	TestNo: SW6020	Units: mg/Kg-dry							
SampType: MS	Run ID: ICP-MS2_120629A	Analysis Date: 6/30/2012 12:31:00 AM	Prep Date: 6/29/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Arsenic	50.2	0.996	49.81	2.695	95.4	80	120			
Barium	194	1.99	49.81	133.0	123	80	120			S

Qualifiers: B Analyte detected in the associated Method Blank DF Dilution Factor
J Analyte detected between MDL and RL MDL Method Detection Limit
ND Not Detected at the Method Detection Limit R RPD outside accepted control limits
RL Reporting Limit S Spike Recovery outside control limits
J Analyte detected between SDL and RL N Parameter not NELAC certified

CLIENT: Larson & Associates

Work Order: 1206276

Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_120629A

Sample ID: 1206276-02B MS	Batch ID: 52515	TestNo: SW6020	Units: mg/Kg-dry
SampType: MS	Run ID: ICP-MS2_120629A	Analysis Date: 6/30/2012 12:31:00 AM	Prep Date: 6/29/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Cadmium	48.3	0.299	49.81	0.1911	96.5	80	120			
Chromium	57.9	1.99	49.81	9.119	97.9	80	120			
Copper	55.2	1.99	49.81	6.362	98.1	80	120			
Iron	7360	12.5	249.0	6779	232	80	120			S
Lead	60.5	0.299	49.81	10.61	100	80	120			
Manganese	147	1.99	49.81	93.34	107	80	120			
Selenium	44.4	0.498	49.81	0.5711	88.0	80	120			
Silver	47.8	0.199	49.81	0	96.0	80	120			
Zinc	73.5	2.49	49.81	27.15	93.1	80	120			

Sample ID: 1206276-02B MSD	Batch ID: 52515	TestNo: SW6020	Units: mg/Kg-dry
SampType: MSD	Run ID: ICP-MS2_120629A	Analysis Date: 6/30/2012 12:37:00 AM	Prep Date: 6/29/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	49.8	0.977	48.84	2.695	96.5	80	120	0.728	20	
Barium	180	1.95	48.84	133.0	95.5	80	120	7.87	20	
Cadmium	48.4	0.293	48.84	0.1911	98.8	80	120	0.335	20	
Chromium	56.6	1.95	48.84	9.119	97.1	80	120	2.35	20	
Copper	54.2	1.95	48.84	6.362	98.0	80	120	1.87	20	
Iron	6990	12.2	244.2	6779	88.0	80	120	5.05	20	
Lead	59.9	0.293	48.84	10.61	101	80	120	1.02	20	
Manganese	149	1.95	48.84	93.34	113	80	120	1.34	20	
Selenium	44.5	0.488	48.84	0.5711	89.9	80	120	0.148	20	
Silver	47.5	0.195	48.84	0	97.4	80	120	0.512	20	
Zinc	71.7	2.44	48.84	27.15	91.2	80	120	2.54	20	

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1206276
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_120629A

Sample ID: ICV1-120629	Batch ID: R61214	TestNo: SW6020	Units: mg/L
SampType: ICV	Run ID: ICP-MS2_120629A	Analysis Date: 6/29/2012 12:28:00 PM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.101	0.00600	0.100	0	101	90	110			
Barium	0.0984	0.0100	0.100	0	98.4	90	110			
Cadmium	0.0993	0.00100	0.100	0	99.3	90	110			
Chromium	0.108	0.00600	0.100	0	108	90	110			
Copper	0.106	0.0100	0.100	0	106	90	110			
Iron	2.63	0.150	2.50	0	105	90	110			
Lead	0.0980	0.00100	0.100	0	98.0	90	110			
Manganese	0.105	0.0100	0.100	0	105	90	110			
Selenium	0.103	0.00600	0.100	0	103	90	110			
Silver	0.0988	0.00200	0.100	0	98.8	90	110			
Zinc	0.105	0.00500	0.100	0	105	90	110			

Sample ID: CCV4-120629	Batch ID: R61214	TestNo: SW6020	Units: mg/L
SampType: CCV	Run ID: ICP-MS2_120629A	Analysis Date: 6/29/2012 9:39:00 PM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.196	0.00600	0.200	0	98.2	90	110			
Barium	0.191	0.0100	0.200	0	95.7	90	110			
Cadmium	0.197	0.00100	0.200	0	98.6	90	110			
Chromium	0.207	0.00600	0.200	0	103	90	110			
Copper	0.203	0.0100	0.200	0	102	90	110			
Iron	5.01	0.150	5.00	0	100	90	110			
Lead	0.195	0.00100	0.200	0	97.4	90	110			
Manganese	0.204	0.0100	0.200	0	102	90	110			
Selenium	0.196	0.00600	0.200	0	97.8	90	110			
Silver	0.192	0.00200	0.200	0	96.2	90	110			
Zinc	0.203	0.00500	0.200	0	101	90	110			

Sample ID: CCV5-120629	Batch ID: R61214	TestNo: SW6020	Units: mg/L
SampType: CCV	Run ID: ICP-MS2_120629A	Analysis Date: 6/30/2012 12:43:00 AM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.200	0.00600	0.200	0	100	90	110			
Barium	0.191	0.0100	0.200	0	95.6	90	110			
Cadmium	0.197	0.00100	0.200	0	98.7	90	110			
Chromium	0.210	0.00600	0.200	0	105	90	110			
Copper	0.206	0.0100	0.200	0	103	90	110			
Iron	5.26	0.150	5.00	0	105	90	110			
Lead	0.193	0.00100	0.200	0	96.4	90	110			
Manganese	0.206	0.0100	0.200	0	103	90	110			
Selenium	0.194	0.00600	0.200	0	96.9	90	110			

Qualifiers: B Analyte detected in the associated Method Blank J Analyte detected between MDL and RL ND Not Detected at the Method Detection Limit RL Reporting Limit J Analyte detected between SDL and RL	DF Dilution Factor MDL Method Detection Limit R RPD outside accepted control limits S Spike Recovery outside control limits N Parameter not NELAC certified
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CLIENT: Larson & Associates
Work Order: 1206276
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_120629A

Sample ID: CCV5-120629	Batch ID: R61214	TestNo: SW6020	Units: mg/L							
SampType: CCV	Run ID: ICP-MS2_120629A	Analysis Date: 6/30/2012 12:43:00 AM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Silver	0.190	0.00200	0.200	0	95.0	90	110			
Zinc	0.206	0.00500	0.200	0	103	90	110			

Sample ID: CCV6-120629	Batch ID: R61214	TestNo: SW6020				Units: mg/L				
SampType: CCV	Run ID: ICP-MS2_120629A	Analysis Date: 6/30/2012 2:24:00 AM				Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.202	0.00600	0.200	0	101	90	110			
Barium	0.192	0.0100	0.200	0	95.8	90	110			
Cadmium	0.196	0.00100	0.200	0	97.8	90	110			
Chromium	0.212	0.00600	0.200	0	106	90	110			
Copper	0.210	0.0100	0.200	0	105	90	110			
Iron	5.36	0.150	5.00	0	107	90	110			
Lead	0.194	0.00100	0.200	0	97.0	90	110			
Manganese	0.209	0.0100	0.200	0	105	90	110			
Selenium	0.198	0.00600	0.200	0	98.8	90	110			
Silver	0.193	0.00200	0.200	0	96.3	90	110			
Zinc	0.206	0.00500	0.200	0	103	90	110			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1206276
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_120703C

The QC data in batch 52515 applies to the following samples: 1206276-01B, 1206276-02B, 1206276-03B, 1206276-04B, 1206276-05B, 1206276-06B, 1206276-07B, 1206276-08B, 1206276-09B, 1206276-10B, 1206276-11B, 1206276-12B, 1206276-13B, 1206276-14B, 1206276-15B

Sample ID: 1206276-02B SD	Batch ID: 52515	TestNo: SW6020	Units: mg/Kg-dry
SampType: SD	Run ID: ICP-MS2_120703C	Analysis Date: 7/3/2012 2:10:00 PM	Prep Date: 6/29/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	8000	616	0	6993				13.4	10	R

Sample ID: 1206276-02B PDS	Batch ID: 52515	TestNo: SW6020	Units: mg/Kg-dry
SampType: PDS	Run ID: ICP-MS2_120703C	Analysis Date: 7/3/2012 3:10:00 PM	Prep Date: 6/29/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	19700	123	12330	6993	103	75	125			

Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

- DF Dilution Factor
- MDL Method Detection Limit
- R RPD outside accepted control limits
- S Spike Recovery outside control limits
- N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1206276
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_120703C

Sample ID: ICV1-120703	Batch ID: R61260	TestNo: SW6020	Units: mg/L							
SampType: ICV	Run ID: ICP-MS2_120703C	Analysis Date: 7/3/2012 11:01:00 AM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Iron	2.55	0.150	2.50	0	102	90	110			
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Sample ID: CCV1-120703	Batch ID: R61260	TestNo: SW6020	Units: mg/L							
SampType: CCV	Run ID: ICP-MS2_120703C	Analysis Date: 7/3/2012 1:13:00 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Iron	5.08	0.150	5.00	0	102	90	110			
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Sample ID: CCV2-120703	Batch ID: R61260	TestNo: SW6020	Units: mg/L							
SampType: CCV	Run ID: ICP-MS2_120703C	Analysis Date: 7/3/2012 3:16:00 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Iron	5.15	0.150	5.00	0	103	90	110			
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Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

- DF Dilution Factor
- MDL Method Detection Limit
- R RPD outside accepted control limits
- S Spike Recovery outside control limits
- N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1206276
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: IC_120703A

The QC data in batch 52547 applies to the following samples: 1206276-01C, 1206276-02C, 1206276-03C, 1206276-04C, 1206276-05C, 1206276-06C, 1206276-07C, 1206276-08C, 1206276-09A, 1206276-10A, 1206276-11A, 1206276-12A, 1206276-13A, 1206276-14A, 1206276-15A

Sample ID: LCS-52547	Batch ID: 52547	TestNo: E300	Units: mg/Kg
SampType: LCS	Run ID: IC_120703A	Analysis Date: 7/3/2012 9:23:30 AM	Prep Date: 6/29/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	49.3	5.00	50.00	0	98.6	80	120			
Sulfate	149	10.0	150.0	0	99.3	80	120			

Sample ID: LCSD-52547	Batch ID: 52547	TestNo: E300	Units: mg/Kg
SampType: LCSD	Run ID: IC_120703A	Analysis Date: 7/3/2012 9:35:06 AM	Prep Date: 6/29/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	49.2	5.00	50.00	0	98.4	80	120	0.240	20	
Sulfate	149	10.0	150.0	0	99.5	80	120	0.188	20	

Sample ID: MB-52547	Batch ID: 52547	TestNo: E300	Units: mg/Kg
SampType: MBLK	Run ID: IC_120703A	Analysis Date: 7/3/2012 9:46:43 AM	Prep Date: 6/29/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	5.00								
Sulfate	ND	10.0								

Sample ID: 1206276-01C MS	Batch ID: 52547	TestNo: E300	Units: mg/Kg-dry
SampType: MS	Run ID: IC_120703A	Analysis Date: 7/3/2012 10:17:04 AM	Prep Date: 6/29/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	192	5.80	57.99	141.3	87.5	80	120			
Sulfate	233	11.6	174.0	57.02	101	80	120			

Sample ID: 1206276-01C MSD	Batch ID: 52547	TestNo: E300	Units: mg/Kg-dry
SampType: MSD	Run ID: IC_120703A	Analysis Date: 7/3/2012 10:28:40 AM	Prep Date: 6/29/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	192	5.80	57.99	141.3	87.7	80	120	0.083	20	
Sulfate	233	11.6	174.0	57.02	101	80	120	0.158	20	

Sample ID: 1206277-01B MS	Batch ID: 52547	TestNo: E300	Units: mg/Kg-dry
SampType: MS	Run ID: IC_120703A	Analysis Date: 7/3/2012 2:55:11 PM	Prep Date: 6/29/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	77.2	4.95	49.54	28.85	97.7	80	120			

Qualifiers:	B	Analyte detected in the associated Method Blank	DF	Dilution Factor
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
	RL	Reporting Limit	S	Spike Recovery outside control limits
	J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1206276
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: IC_120703A

Sample ID: 1206277-01B MSD		Batch ID: 52547		TestNo: E300		Units: mg/Kg-dry				
SampType: MSD		Run ID: IC_120703A		Analysis Date: 7/3/2012 3:06:47 PM		Prep Date: 6/29/2012				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	77.6	4.95	49.54	28.85	98.3	80	120	0.437	20	

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1206276
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: IC_120703A

Sample ID: ICV-120703	Batch ID: R61234	TestNo: E300	Units: mg/Kg							
SampType: ICV	Run ID: IC_120703A	Analysis Date: 7/3/2012 9:07:34 AM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Chloride	25.7	5.00	25.00	0	103	90	110			
Sulfate	77.6	10.0	75.00	0	103	90	110			

Sample ID: CCV1-120703	Batch ID: R61234	TestNo: E300	Units: mg/Kg							
SampType: CCV	Run ID: IC_120703A	Analysis Date: 7/3/2012 11:27:35 AM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Chloride	9.81	5.00	10.00	0	98.1	90	110			
Sulfate	30.3	10.0	30.00	0	101	90	110			

Sample ID: CCV2-120703	Batch ID: R61234	TestNo: E300	Units: mg/Kg							
SampType: CCV	Run ID: IC_120703A	Analysis Date: 7/3/2012 1:37:07 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Chloride	9.82	5.00	10.00	0	98.2	90	110			
Sulfate	30.5	10.0	30.00	0	102	90	110			

Sample ID: CCV3-120703	Batch ID: R61234	TestNo: E300	Units: mg/Kg							
SampType: CCV	Run ID: IC_120703A	Analysis Date: 7/3/2012 3:18:23 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Chloride	9.85	5.00	10.00	0	98.5	90	110			
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Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

- DF Dilution Factor
- MDL Method Detection Limit
- R RPD outside accepted control limits
- S Spike Recovery outside control limits
- N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1206276
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: IR207_120709A

Sample ID: ICV-120709	Batch ID: 418_S-07/09/2012	TestNo: E418.1				Units: mg/Kg				
SampType: ICV	Run ID: IR207_120709A	Analysis Date: 7/9/2012 10:40:00 AM				Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	262	10.0	250.0	0	105	90	110			N

Sample ID: CCV1-120709	Batch ID: 418_S-07/09/2012	TestNo: E418.1				Units: mg/Kg				
SampType: CCV	Run ID: IR207_120709A	Analysis Date: 7/9/2012 10:40:00 AM				Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	264	10.0	250.0	0	106	85	115			N

Sample ID: CCV2-120709	Batch ID: 418_S-07/09/2012	TestNo: E418.1				Units: mg/Kg				
SampType: CCV	Run ID: IR207_120709A	Analysis Date: 7/9/2012 10:40:00 AM				Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	262	10.0	250.0	0	105	85	115			N

Sample ID: CCV3-120709	Batch ID: 418_S-07/09/2012	TestNo: E418.1				Units: mg/Kg				
SampType: CCV	Run ID: IR207_120709A	Analysis Date: 7/9/2012 10:40:00 AM				Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	264	10.0	250.0	0	106	85	115			N

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1206276
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: IR207_120709A

The QC data in batch 52626 applies to the following samples: 1206276-01A, 1206276-02A, 1206276-03A, 1206276-04A, 1206276-05A, 1206276-06A, 1206276-07A, 1206276-08A, 1206276-09A, 1206276-10A, 1206276-11A, 1206276-12A, 1206276-13A, 1206276-14A, 1206276-15A

Sample ID: LCS-52626	Batch ID: 52626	TestNo: E418.1	Units: mg/Kg
SampType: LCS	Run ID: IR207_120709A	Analysis Date: 7/9/2012 10:40:00 AM	Prep Date: 7/9/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	94.4	10.0	100.0	0	94.4	80	120			N

Sample ID: LCSD-52626	Batch ID: 52626	TestNo: E418.1	Units: mg/Kg
SampType: LCSD	Run ID: IR207_120709A	Analysis Date: 7/9/2012 10:40:00 AM	Prep Date: 7/9/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	92.5	10.0	100.0	0	92.5	80	120	2.01	20	N

Sample ID: MB-52626	Batch ID: 52626	TestNo: E418.1	Units: mg/Kg
SampType: MBLK	Run ID: IR207_120709A	Analysis Date: 7/9/2012 10:40:00 AM	Prep Date: 7/9/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	ND	10.0								N

Sample ID: 1206276-04A MS	Batch ID: 52626	TestNo: E418.1	Units: mg/Kg-dry
SampType: MS	Run ID: IR207_120709A	Analysis Date: 7/9/2012 10:40:00 AM	Prep Date: 7/9/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	91.8	10.1	100.6	0	91.2	80	120			N

Sample ID: 1206276-04A MSD	Batch ID: 52626	TestNo: E418.1	Units: mg/Kg-dry
SampType: MSD	Run ID: IR207_120709A	Analysis Date: 7/9/2012 10:40:00 AM	Prep Date: 7/9/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	93.7	10.1	100.6	0	93.1	80	120	2.03	20	N

Qualifiers:	B Analyte detected in the associated Method Blank	DF Dilution Factor
	J Analyte detected between MDL and RL	MDL Method Detection Limit
	ND Not Detected at the Method Detection Limit	R RPD outside accepted control limits
	RL Reporting Limit	S Spike Recovery outside control limits
	J Analyte detected between SDL and RL	N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1206276
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: PMOIST_120709A

The QC data in batch 52641 applies to the following samples: 1206276-01B, 1206276-02B, 1206276-03B, 1206276-04B, 1206276-05B, 1206276-06B, 1206276-07B, 1206276-08B, 1206276-09B, 1206276-10B, 1206276-11B, 1206276-12B, 1206276-13B, 1206276-14B, 1206276-15B

Sample ID: 1206276-15BDUP	Batch ID: 52641	TestNo: D2216	Units: WT%							
SampType: DUP	Run ID: PMOIST_120709A	Analysis Date: 7/10/2012 8:50:00 AM	Prep Date: 7/9/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Percent Moisture	20.8	0	0	21.03				1.05	30	

Qualifiers:
 B Analyte detected in the associated Method Blank
 J Analyte detected between MDL and RL
 ND Not Detected at the Method Detection Limit
 RL Reporting Limit
 J Analyte detected between SDL and RL

DF Dilution Factor
 MDL Method Detection Limit
 R RPD outside accepted control limits
 S Spike Recovery outside control limits
 N Parameter not NELAC certified



April 12, 2012

Mark Larson
Larson & Associates
507 N. Marienfeld #200
Midland, TX 79701
TEL: (432) 687-0901
FAX (432) 687-0456
RE: Chevron Landfarm

Order No.: 1203281

Dear Mark Larson:

DHL Analytical received 14 sample(s) on 3/30/2012 for the analyses presented in the following report.

There were no problems with the analyses and all data met requirements of NELAC except where noted in the Case Narrative. All non-NELAC methods will be identified accordingly in the case narrative and all estimated uncertainties of test results are within method or EPA specifications.

If you have any questions regarding these tests results, please feel free to call. Thank you for using DHL Analytical.

Sincerely,

John DuPont
General Manager

This report was performed under the accreditation of the State of Texas Laboratory Certification
Number: T104704211-11-7



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LAarson &
ssociates, Inc.
Environmental Consultants

Data Reported to: M. Larson

PO #: LAB WORK ORDER #: 1203281

PROJECT LOCATION OR NAME: Chewon Land Farm

LAI PROJECT #: 6-0137 COLLECTOR: D. McInnis

TRRP report?		S=SOIL W=WATER A=AIR		P=PAINT SL=SLUDGE OT=OTHER		PRESERVATION					ANALYSES <i>Chap. Du Milieu</i>															FIELD NOTES					
TIME ZONE: Time zone/State:		Lab #	Date	Time	Matrix	# of Containers	HCl	HNO ₃	H ₂ SO ₄ □ NaOH □	ICE	UNPRESERVED	BTEX ☒ MTBE ☐	TPH 418-1 ☒ TPH 1003 ☒	GASOLINE MOD 8015 ☒	DIESEL - MOD 8015 ☒	VOC 8280 ☐	SVOC 8280 ☐	8081 PESTICIDES ☐ PAH 8270 ☐ HOLDPAH ☐	8082 PESTICIDES ☐	TCLP - METALS ☐ 8151 HERBICIDES ☐	TCLP - PEST ☐ HERB ☐ TCPLP VOC ☐	LEAD - TOTAL ☐ HERB ☐ SEMI-VOC ☐	RCI ☐ TOX ☐ D.W. 200.8 ☐ TCPLP ☐	TDS ☐ TSS ☐ % MOISTURE ☐	PH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PEROXIDE ☐	CHLORIDE ☐ ANIONS ☐	ALKALINITY ☐	FIELD NOTES		
Field Sample I.D.																															
Cell 20 (0-1')	01	3-28	1250	S	3				X	X	X	X						X						X	X						RCRA - Cu, Fe, Zn
Cell 19 (0-1')	02		1305																												
Cell 18 (0-1')	03		1320																												
Cell 17 (0-1')	04		1328																												
Cell 21 (0-1')	05		1335																												
Cell 26 (0-1')	06		1350																												
Cell 25 (0-1')	07		1405																												
Cell 20 (5-6')	08		1255																												
Cell 19 (5-6')	09		1310																												
Cell 18 (5-6')	10		1325																												
Cell 17 (5-6')	11		1330																												
Cell 21 (5-6')	12		1340																												
Cell 26 (5-6')	13		1355																												
Cell 25 (5-6')	14		1410																												
TOTAL																															

RELINQUISHED BY: (Signature) *[Signature]* DATE/TIME 3-29-12/0930 RECEIVED BY: (Signature) *[Signature]* 3/29/12 1700

RELINQUISHED BY: (Signature) *[Signature]* DATE/TIME 3-29-12 1700 RECEIVED BY: (Signature) *[Signature]*

RELINQUISHED BY: (Signature) *[Signature]* DATE/TIME 3/30/12 830 RECEIVED BY: (Signature) *[Signature]*

TURN AROUND TIME

NORMAL: ☒ 1 DAY ☐

2 DAY ☐

OTHER ☐

LABORATORY USE ONLY:

RECEIVING TEMP: 1.7 THERM #: 57

CUSTODY SEALS - ☐ BROKEN ☒ INTACT ☐ NOT USED

CARRIER BILL # *[Signature]*

HAND DELIVERED ☐



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1. To: Print Name (Person) Simple Receiving Phone (Important) (512)388-8222		2. From: Print Name (Person) MARK LARSON Phone (Important) 432-687-0901	
Company Name DHL Analytical		Company Name LARSON & ASSOCIATES INC.	
Street Address (No P.O. Box or P.O. Box Zip Code Deliveries) 2300 Double Creek Dr		Street Address 507 N. MARTENFIELD	
Suite / Floor		Suite / Floor 200	
City Round Rock	State TX	City MIDLAND	State TX
Zip 78664		Zip 79701	
3. Service: Visit www.lso.com for availability of services to your destination and enjoy added features by creating your shipping label online. ☒ By 10:30 am Delivery Check availability at www.lso.com ☐ By 8:30 am Delivery Check availability at www.lso.com (Extra charge, no signature obtained) ☐ By 3:00 pm Delivery ☐ Ground (next day to most cities) ☐ Deliver Without Delivery Signature (See Limits of Liability below) Release Signature L _____ x W _____ x H _____		4. Package: Weight 50 Your Company's Billing Reference Information 6-0037 Ship Date: (mm/dd/yyyy) 5. Payment: FOR COURIER USE ONLY Courier Number ☐ Check here if LSO Supplies are used with Ground Service. Pick-up Location Date: Time:	

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DHL Analytical

Sample Receipt Checklist

Client Name **Larson & Associates**

Date Received: **3/30/2012**

Work Order Number **1203281**

Received by **JB**

Checklist completed by:



3/30/2012

Signature

Date

Reviewed by



3/30/2012

Initials

Date

Carrier name: LoneStar

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	1.7 °C
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☒
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☒

Adjusted? _____ Checked by _____

Any No response must be detailed in the comments section below.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

CLIENT: Larson & Associates
Project: Chevron Landfarm
Lab Order: 1203281

CASE NARRATIVE

Sample was analyzed using the methods outlined in the following references:

Method SW8021B - Volatile Organics by GC Analysis
Method E300 - Anions Analysis
Method SW6020 - Metals Analysis
Method SW7471B - Mercury Analysis
Method SW8015D - DRO Analysis
Method SW8015V - GRO Analysis
Method E418.1 - TRPH Analysis (this parameter is not NELAC certified)
Method D2216 - Percent Moisture

LOG IN

The samples were received and log-in performed on 3/30/12. A total of 14 samples were received. The time of collection was Mountain Standard Time. On 3/30/12 TPH by method Tx1005 was deleted from the list of test parameters and GRO, DRO analyses were added as per the client. These were performed as requested. The samples arrived in good condition and were properly packaged.

METALS ANALYSIS

For Metals analysis performed on 4/9/12 the matrix spike and matrix spike duplicate recoveries were out of control limits for Iron. These are flagged accordingly in the QC summary report. The sample selected for the matrix spike and matrix spike duplicate was from this work order. The LCS was within control limits for this analyte. No further corrective actions were taken.

DRO ANALYSIS

For DRO analysis performed on 4/11/12 sample Cell 26 (0-1') and the method blank had the surrogate recoveries out of control limits for Octacosane or Isopropylbenzene. These are flagged accordingly. The remaining surrogate was within control limits. No further corrective actions were taken.

DHL Analytical**Date:** 12-Apr-12

CLIENT: Larson & Associates
Project: Chevron Landfarm
Lab Order: 1203281

Work Order Sample Summary

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recved
1203281-01	Cell 20 (0-1')		03/28/12 12:50 PM	3/30/2012
1203281-02	Cell 19 (0-1')		03/28/12 01:05 PM	3/30/2012
1203281-03	Cell 18 (0-1')		03/28/12 01:20 PM	3/30/2012
1203281-04	Cell 17 (0-1')		03/28/12 01:28 PM	3/30/2012
1203281-05	Cell 21 (0-1')		03/28/12 01:35 PM	3/30/2012
1203281-06	Cell 26 (0-1')		03/28/12 01:50 PM	3/30/2012
1203281-07	Cell 25 (0-1')		03/28/12 02:05 PM	3/30/2012
1203281-08	Cell 20 (5-6')		03/28/12 12:55 PM	3/30/2012
1203281-09	Cell 19 (5-6')		03/28/12 01:10 PM	3/30/2012
1203281-10	Cell 18 (5-6')		03/28/12 01:25 PM	3/30/2012
1203281-11	Cell 17 (5-6')		03/28/12 01:30 PM	3/30/2012
1203281-12	Cell 21 (5-6')		03/28/12 01:40 PM	3/30/2012
1203281-13	Cell 26 (5-6')		03/28/12 01:55 PM	3/30/2012
1203281-14	Cell 25 (5-6')		03/28/12 02:10 PM	3/30/2012

Lab Order: 1203281
 Client: Larson & Associates
 Project: Chevron Landfarm

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1203281-01A	Cell 20 (0-1')	03/28/12 12:50 PM	Soil	SW5030A	Purge and Trap Soils GC	03/31/12 08:29 AM	51198
	Cell 20 (0-1')	03/28/12 12:50 PM	Soil	SW5030A	Purge and Trap Soils GC- Gas	03/30/12 10:39 AM	51190
	Cell 20 (0-1')	03/28/12 12:50 PM	Soil	SW3550B	Soil Prep Sonication: TRPH	04/03/12 08:30 AM	51221
1203281-01B	Cell 20 (0-1')	03/28/12 12:50 PM	Soil	SW7471A	Mercury Soil Prep, Total	04/04/12 09:00 AM	51227
	Cell 20 (0-1')	03/28/12 12:50 PM	Soil	D2216	Moisture Preparation	04/06/12 10:55 AM	51297
	Cell 20 (0-1')	03/28/12 12:50 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	04/05/12 09:00 AM	51209
	Cell 20 (0-1')	03/28/12 12:50 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	04/05/12 09:00 AM	51209
1203281-01C	Cell 20 (0-1')	03/28/12 12:50 PM	Soil	E300	Anion Prep	03/30/12 11:18 AM	51191
	Cell 20 (0-1')	03/28/12 12:50 PM	Soil	SW3550C	Soil Prep Sonication: DRO	04/06/12 10:49 AM	51300
	Cell 20 (0-1')	03/28/12 12:50 PM	Soil	SW3550C	Soil Prep Sonication: DRO	04/06/12 10:49 AM	51300
1203281-02A	Cell 19 (0-1')	03/28/12 01:05 PM	Soil	SW5030A	Purge and Trap Soils GC	03/31/12 08:29 AM	51198
	Cell 19 (0-1')	03/28/12 01:05 PM	Soil	SW5030A	Purge and Trap Soils GC- Gas	03/30/12 10:39 AM	51190
	Cell 19 (0-1')	03/28/12 01:05 PM	Soil	SW3550B	Soil Prep Sonication: TRPH	04/03/12 08:30 AM	51221
1203281-02B	Cell 19 (0-1')	03/28/12 01:05 PM	Soil	SW7471A	Mercury Soil Prep, Total	04/04/12 09:00 AM	51227
	Cell 19 (0-1')	03/28/12 01:05 PM	Soil	D2216	Moisture Preparation	04/06/12 10:55 AM	51297
	Cell 19 (0-1')	03/28/12 01:05 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	04/05/12 09:00 AM	51209
	Cell 19 (0-1')	03/28/12 01:05 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	04/05/12 09:00 AM	51209
1203281-02C	Cell 19 (0-1')	03/28/12 01:05 PM	Soil	E300	Anion Prep	03/30/12 11:18 AM	51191
	Cell 19 (0-1')	03/28/12 01:05 PM	Soil	SW3550C	Soil Prep Sonication: DRO	04/06/12 10:49 AM	51300
	Cell 19 (0-1')	03/28/12 01:05 PM	Soil	SW3550C	Soil Prep Sonication: DRO	04/06/12 10:49 AM	51300
1203281-03A	Cell 18 (0-1')	03/28/12 01:20 PM	Soil	SW5030A	Purge and Trap Soils GC	03/31/12 08:29 AM	51198
	Cell 18 (0-1')	03/28/12 01:20 PM	Soil	SW5030A	Purge and Trap Soils GC- Gas	03/30/12 10:39 AM	51190
	Cell 18 (0-1')	03/28/12 01:20 PM	Soil	SW3550B	Soil Prep Sonication: TRPH	04/03/12 08:30 AM	51221
1203281-03B	Cell 18 (0-1')	03/28/12 01:20 PM	Soil	SW7471A	Mercury Soil Prep, Total	04/04/12 09:00 AM	51227
	Cell 18 (0-1')	03/28/12 01:20 PM	Soil	D2216	Moisture Preparation	04/06/12 10:55 AM	51297
	Cell 18 (0-1')	03/28/12 01:20 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	04/05/12 09:00 AM	51209
	Cell 18 (0-1')	03/28/12 01:20 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	04/05/12 09:00 AM	51209
1203281-03C	Cell 18 (0-1')	03/28/12 01:20 PM	Soil	E300	Anion Prep	03/30/12 11:18 AM	51191

Lab Order: 1203281
Client: Larson & Associates
Project: Chevron Landfarm

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1203281-03C	Cell 18 (0-1')	03/28/12 01:20 PM	Soil	SW3550C	Soil Prep Sonication: DRO	04/06/12 10:49 AM	51300
1203281-04A	Cell 17 (0-1')	03/28/12 01:28 PM	Soil	SW5030A	Purge and Trap Soils GC	03/31/12 08:29 AM	51198
	Cell 17 (0-1')	03/28/12 01:28 PM	Soil	SW5030A	Purge and Trap Soils GC- Gas	03/30/12 10:39 AM	51190
	Cell 17 (0-1')	03/28/12 01:28 PM	Soil	SW3550B	Soil Prep Sonication: TRPH	04/03/12 08:30 AM	51221
1203281-04B	Cell 17 (0-1')	03/28/12 01:28 PM	Soil	SW7471A	Mercury Soil Prep, Total	04/04/12 09:00 AM	51227
	Cell 17 (0-1')	03/28/12 01:28 PM	Soil	D2216	Moisture Preparation	04/06/12 10:55 AM	51297
	Cell 17 (0-1')	03/28/12 01:28 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	04/05/12 09:00 AM	51209
	Cell 17 (0-1')	03/28/12 01:28 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	04/05/12 09:00 AM	51209
1203281-04C	Cell 17 (0-1')	03/28/12 01:28 PM	Soil	E300	Anion Prep	03/30/12 11:18 AM	51191
	Cell 17 (0-1')	03/28/12 01:28 PM	Soil	SW3550C	Soil Prep Sonication: DRO	04/06/12 10:49 AM	51300
1203281-05A	Cell 21 (0-1')	03/28/12 01:35 PM	Soil	SW5030A	Purge and Trap Soils GC	03/31/12 08:29 AM	51198
	Cell 21 (0-1')	03/28/12 01:35 PM	Soil	SW5030A	Purge and Trap Soils GC- Gas	03/30/12 10:39 AM	51190
	Cell 21 (0-1')	03/28/12 01:35 PM	Soil	SW3550B	Soil Prep Sonication: TRPH	04/03/12 08:30 AM	51221
1203281-05B	Cell 21 (0-1')	03/28/12 01:35 PM	Soil	SW7471A	Mercury Soil Prep, Total	04/04/12 09:00 AM	51227
	Cell 21 (0-1')	03/28/12 01:35 PM	Soil	D2216	Moisture Preparation	04/06/12 10:55 AM	51297
	Cell 21 (0-1')	03/28/12 01:35 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	04/05/12 09:00 AM	51209
	Cell 21 (0-1')	03/28/12 01:35 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	04/05/12 09:00 AM	51209
1203281-05C	Cell 21 (0-1')	03/28/12 01:35 PM	Soil	E300	Anion Prep	03/30/12 11:18 AM	51191
	Cell 21 (0-1')	03/28/12 01:35 PM	Soil	SW3550C	Soil Prep Sonication: DRO	04/06/12 10:49 AM	51300
1203281-06A	Cell 26 (0-1')	03/28/12 01:50 PM	Soil	SW5030A	Purge and Trap Soils GC	03/31/12 08:29 AM	51198
	Cell 26 (0-1')	03/28/12 01:50 PM	Soil	SW5030A	Purge and Trap Soils GC	04/02/12 11:22 AM	51206
	Cell 26 (0-1')	03/28/12 01:50 PM	Soil	SW5030A	Purge and Trap Soils GC- Gas	03/30/12 10:39 AM	51190
	Cell 26 (0-1')	03/28/12 01:50 PM	Soil	SW3550B	Soil Prep Sonication: TRPH	04/03/12 08:30 AM	51221
1203281-06B	Cell 26 (0-1')	03/28/12 01:50 PM	Soil	SW7471A	Mercury Soil Prep, Total	04/04/12 09:00 AM	51227
	Cell 26 (0-1')	03/28/12 01:50 PM	Soil	D2216	Moisture Preparation	04/06/12 10:55 AM	51297
	Cell 26 (0-1')	03/28/12 01:50 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	04/05/12 09:00 AM	51209
	Cell 26 (0-1')	03/28/12 01:50 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	04/05/12 09:00 AM	51209
1203281-06C	Cell 26 (0-1')	03/28/12 01:50 PM	Soil	E300	Anion Prep	03/30/12 11:18 AM	51191

Lab Order: 1203281
 Client: Larson & Associates
 Project: Chevron Landfarm

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1203281-06C	Cell 26 (0-1')	03/28/12 01:50 PM	Soil	SW3550C	Soil Prep Sonication: DRO	04/06/12 10:49 AM	51300
	Cell 26 (0-1')	03/28/12 01:50 PM	Soil	SW3550C	Soil Prep Sonication: DRO	04/06/12 10:49 AM	51300
1203281-07A	Cell 25 (0-1')	03/28/12 02:05 PM	Soil	SW5030A	Purge and Trap Soils GC	03/31/12 08:29 AM	51198
	Cell 25 (0-1')	03/28/12 02:05 PM	Soil	SW5030A	Purge and Trap Soils GC- Gas	03/30/12 10:39 AM	51190
	Cell 25 (0-1')	03/28/12 02:05 PM	Soil	SW3550B	Soil Prep Sonication: TRPH	04/03/12 08:30 AM	51221
1203281-07B	Cell 25 (0-1')	03/28/12 02:05 PM	Soil	SW7471A	Mercury Soil Prep, Total	04/04/12 09:00 AM	51227
	Cell 25 (0-1')	03/28/12 02:05 PM	Soil	D2216	Moisture Preparation	04/06/12 10:55 AM	51297
	Cell 25 (0-1')	03/28/12 02:05 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	04/05/12 09:00 AM	51209
	Cell 25 (0-1')	03/28/12 02:05 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	04/05/12 09:00 AM	51209
1203281-07C	Cell 25 (0-1')	03/28/12 02:05 PM	Soil	E300	Anion Prep	03/30/12 11:18 AM	51191
	Cell 25 (0-1')	03/28/12 02:05 PM	Soil	SW3550C	Soil Prep Sonication: DRO	04/06/12 10:49 AM	51300
1203281-08A	Cell 20 (5-6')	03/28/12 12:55 PM	Soil	SW5030A	Purge and Trap Soils GC	03/31/12 08:29 AM	51198
	Cell 20 (5-6')	03/28/12 12:55 PM	Soil	SW5030A	Purge and Trap Soils GC- Gas	03/30/12 10:39 AM	51190
	Cell 20 (5-6')	03/28/12 12:55 PM	Soil	SW3550B	Soil Prep Sonication: TRPH	04/03/12 08:30 AM	51221
1203281-08B	Cell 20 (5-6')	03/28/12 12:55 PM	Soil	SW7471A	Mercury Soil Prep, Total	04/04/12 09:00 AM	51227
	Cell 20 (5-6')	03/28/12 12:55 PM	Soil	D2216	Moisture Preparation	04/06/12 10:55 AM	51297
	Cell 20 (5-6')	03/28/12 12:55 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	04/05/12 09:00 AM	51209
	Cell 20 (5-6')	03/28/12 12:55 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	04/05/12 09:00 AM	51209
1203281-08C	Cell 20 (5-6')	03/28/12 12:55 PM	Soil	E300	Anion Prep	03/30/12 11:18 AM	51191
	Cell 20 (5-6')	03/28/12 12:55 PM	Soil	SW3550C	Soil Prep Sonication: DRO	04/06/12 10:49 AM	51300
1203281-09A	Cell 19 (5-6')	03/28/12 01:10 PM	Soil	SW5030A	Purge and Trap Soils GC	03/31/12 08:29 AM	51198
	Cell 19 (5-6')	03/28/12 01:10 PM	Soil	SW5030A	Purge and Trap Soils GC- Gas	03/30/12 10:39 AM	51190
	Cell 19 (5-6')	03/28/12 01:10 PM	Soil	SW3550B	Soil Prep Sonication: TRPH	04/03/12 08:30 AM	51221
1203281-09B	Cell 19 (5-6')	03/28/12 01:10 PM	Soil	SW7471A	Mercury Soil Prep, Total	04/04/12 09:00 AM	51227
	Cell 19 (5-6')	03/28/12 01:10 PM	Soil	D2216	Moisture Preparation	04/06/12 10:55 AM	51297
	Cell 19 (5-6')	03/28/12 01:10 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	04/05/12 09:00 AM	51209
	Cell 19 (5-6')	03/28/12 01:10 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	04/05/12 09:00 AM	51209
	Cell 19 (5-6')	03/28/12 01:10 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	04/05/12 09:00 AM	51209

Lab Order: 1203281
 Client: Larson & Associates
 Project: Chevron Landfarm

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1203281-09C	Cell 19 (5-6')	03/28/12 01:10 PM	Soil	E300	Anion Prep	03/30/12 11:18 AM	51191
	Cell 19 (5-6')	03/28/12 01:10 PM	Soil	SW3550C	Soil Prep Sonication: DRO	04/06/12 10:49 AM	51300
1203281-10A	Cell 18 (5-6')	03/28/12 01:25 PM	Soil	SW5030A	Purge and Trap Soils GC	03/31/12 08:29 AM	51198
	Cell 18 (5-6')	03/28/12 01:25 PM	Soil	SW5030A	Purge and Trap Soils GC- Gas	03/30/12 10:39 AM	51190
	Cell 18 (5-6')	03/28/12 01:25 PM	Soil	SW3550B	Soil Prep Sonication: TRPH	04/03/12 08:30 AM	51221
1203281-10B	Cell 18 (5-6')	03/28/12 01:25 PM	Soil	SW7471A	Mercury Soil Prep, Total	04/04/12 09:00 AM	51227
	Cell 18 (5-6')	03/28/12 01:25 PM	Soil	D2216	Moisture Preparation	04/06/12 10:55 AM	51297
	Cell 18 (5-6')	03/28/12 01:25 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	04/05/12 09:00 AM	51209
1203281-10C	Cell 18 (5-6')	03/28/12 01:25 PM	Soil	E300	Anion Prep	03/30/12 11:18 AM	51191
	Cell 18 (5-6')	03/28/12 01:25 PM	Soil	SW3550C	Soil Prep Sonication: DRO	04/06/12 10:49 AM	51300
1203281-11A	Cell 17 (5-6')	03/28/12 01:30 PM	Soil	SW5030A	Purge and Trap Soils GC	03/31/12 08:29 AM	51198
	Cell 17 (5-6')	03/28/12 01:30 PM	Soil	SW5030A	Purge and Trap Soils GC- Gas	03/30/12 10:39 AM	51190
	Cell 17 (5-6')	03/28/12 01:30 PM	Soil	SW3550B	Soil Prep Sonication: TRPH	04/03/12 08:30 AM	51221
1203281-11B	Cell 17 (5-6')	03/28/12 01:30 PM	Soil	SW7471A	Mercury Soil Prep, Total	04/04/12 09:00 AM	51227
	Cell 17 (5-6')	03/28/12 01:30 PM	Soil	D2216	Moisture Preparation	04/06/12 10:55 AM	51297
	Cell 17 (5-6')	03/28/12 01:30 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	04/05/12 09:00 AM	51209
	Cell 17 (5-6')	03/28/12 01:30 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	04/05/12 09:00 AM	51209
1203281-11C	Cell 17 (5-6')	03/28/12 01:30 PM	Soil	E300	Anion Prep	03/30/12 11:18 AM	51191
	Cell 17 (5-6')	03/28/12 01:30 PM	Soil	SW3550C	Soil Prep Sonication: DRO	04/06/12 10:49 AM	51300
1203281-12A	Cell 21 (5-6')	03/28/12 01:40 PM	Soil	SW5030A	Purge and Trap Soils GC	03/31/12 08:29 AM	51198
	Cell 21 (5-6')	03/28/12 01:40 PM	Soil	SW5030A	Purge and Trap Soils GC- Gas	03/30/12 10:39 AM	51190
	Cell 21 (5-6')	03/28/12 01:40 PM	Soil	SW3550B	Soil Prep Sonication: TRPH	04/03/12 08:30 AM	51221
1203281-12B	Cell 21 (5-6')	03/28/12 01:40 PM	Soil	SW7471A	Mercury Soil Prep, Total	04/04/12 09:00 AM	51227
	Cell 21 (5-6')	03/28/12 01:40 PM	Soil	D2216	Moisture Preparation	04/06/12 10:55 AM	51297
	Cell 21 (5-6')	03/28/12 01:40 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	04/05/12 09:00 AM	51209
	Cell 21 (5-6')	03/28/12 01:40 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	04/05/12 09:00 AM	51209
1203281-12C	Cell 21 (5-6')	03/28/12 01:40 PM	Soil	E300	Anion Prep	03/30/12 11:18 AM	51191
	Cell 21 (5-6')	03/28/12 01:40 PM	Soil	SW3550C	Soil Prep Sonication: DRO	04/06/12 10:49 AM	51300

Lab Order: 1203281
 Client: Larson & Associates
 Project: Chevron Landfarm

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1203281-12C	Cell 21 (5-6')	03/28/12 01:40 PM	Soil	SW3550C	Soil Prep Sonication: DRO	04/06/12 10:49 AM	51300
1203281-13A	Cell 26 (5-6')	03/28/12 01:55 PM	Soil	SW5030A	Purge and Trap Soils GC	03/31/12 08:29 AM	51198
	Cell 26 (5-6')	03/28/12 01:55 PM	Soil	SW5030A	Purge and Trap Soils GC- Gas	03/30/12 10:39 AM	51190
	Cell 26 (5-6')	03/28/12 01:55 PM	Soil	SW3550B	Soil Prep Sonication: TRPH	04/03/12 08:30 AM	51221
1203281-13B	Cell 26 (5-6')	03/28/12 01:55 PM	Soil	SW7471A	Mercury Soil Prep, Total	04/04/12 09:00 AM	51227
	Cell 26 (5-6')	03/28/12 01:55 PM	Soil	D2216	Moisture Preparation	04/06/12 10:55 AM	51297
	Cell 26 (5-6')	03/28/12 01:55 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	04/05/12 09:00 AM	51209
	Cell 26 (5-6')	03/28/12 01:55 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	04/05/12 09:00 AM	51209
1203281-13C	Cell 26 (5-6')	03/28/12 01:55 PM	Soil	E300	Anion Prep	03/30/12 11:18 AM	51191
	Cell 26 (5-6')	03/28/12 01:55 PM	Soil	SW3550C	Soil Prep Sonication: DRO	04/06/12 10:49 AM	51300
1203281-14A	Cell 25 (5-6')	03/28/12 02:10 PM	Soil	SW5030A	Purge and Trap Soils GC	03/31/12 08:29 AM	51198
	Cell 25 (5-6')	03/28/12 02:10 PM	Soil	SW5030A	Purge and Trap Soils GC- Gas	03/30/12 10:39 AM	51190
	Cell 25 (5-6')	03/28/12 02:10 PM	Soil	SW3550B	Soil Prep Sonication: TRPH	04/03/12 08:30 AM	51221
1203281-14B	Cell 25 (5-6')	03/28/12 02:10 PM	Soil	SW7471A	Mercury Soil Prep, Total	04/04/12 09:00 AM	51227
	Cell 25 (5-6')	03/28/12 02:10 PM	Soil	D2216	Moisture Preparation	04/06/12 10:55 AM	51297
	Cell 25 (5-6')	03/28/12 02:10 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	04/05/12 09:00 AM	51209
1203281-14C	Cell 25 (5-6')	03/28/12 02:10 PM	Soil	E300	Anion Prep	03/30/12 11:18 AM	51191
	Cell 25 (5-6')	03/28/12 02:10 PM	Soil	SW3550C	Soil Prep Sonication: DRO	04/06/12 10:49 AM	51300

Lab Order: 1203281
Client: Larson & Associates
Project: Chevron Landfarm

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1203281-01A	Cell 20 (0-1')	Soil	M8015V	TPH Purgeable by GC - Soil	51190	1	03/30/12 01:53 PM	GC4_120330A
	Cell 20 (0-1')	Soil	E418.1	TRPH	51221	1	04/03/12 10:40 AM	IR207_120403A
	Cell 20 (0-1')	Soil	SW8021B	Volatile Organics by GC	51198	1	03/31/12 11:40 AM	GC4_120331A
1203281-01B	Cell 20 (0-1')	Soil	D2216	Percent Moisture	51297	1	04/09/12 08:38 AM	PMOIST_120406A
	Cell 20 (0-1')	Soil	SW7471B	Total Mercury: Soil/Solid	51227	1	04/06/12 12:59 PM	CETAC_HG_120406A
	Cell 20 (0-1')	Soil	SW6020	Trace Metals: ICP-MS - Solid	51209	5	04/09/12 01:26 PM	ICP-MS3_120409A
	Cell 20 (0-1')	Soil	SW6020	Trace Metals: ICP-MS - Solid	51209	50	04/09/12 09:31 PM	ICP-MS3_120409A
1203281-01C	Cell 20 (0-1')	Soil	E300	Anions by IC method - Soil	51191	1	04/02/12 09:44 AM	IC_120402A
	Cell 20 (0-1')	Soil	M8015D	TPH Extractable by GC - Soil	51300	1	04/11/12 02:01 PM	GC15_120411A
	Cell 20 (0-1')	Soil	M8015D	TPH Extractable by GC - Soil	51300	1	04/11/12 03:40 PM	GC15_120411A
1203281-02A	Cell 19 (0-1')	Soil	M8015V	TPH Purgeable by GC - Soil	51190	1	03/30/12 02:18 PM	GC4_120330A
	Cell 19 (0-1')	Soil	E418.1	TRPH	51221	1	04/03/12 10:40 AM	IR207_120403A
	Cell 19 (0-1')	Soil	SW8021B	Volatile Organics by GC	51198	1	03/31/12 12:06 PM	GC4_120331A
1203281-02B	Cell 19 (0-1')	Soil	D2216	Percent Moisture	51297	1	04/09/12 08:38 AM	PMOIST_120406A
	Cell 19 (0-1')	Soil	SW7471B	Total Mercury: Soil/Solid	51227	1	04/06/12 01:02 PM	CETAC_HG_120406A
	Cell 19 (0-1')	Soil	SW6020	Trace Metals: ICP-MS - Solid	51209	5	04/09/12 01:37 PM	ICP-MS3_120409A
	Cell 19 (0-1')	Soil	SW6020	Trace Metals: ICP-MS - Solid	51209	50	04/09/12 09:42 PM	ICP-MS3_120409A
1203281-02C	Cell 19 (0-1')	Soil	E300	Anions by IC method - Soil	51191	1	04/02/12 09:56 AM	IC_120402A
	Cell 19 (0-1')	Soil	M8015D	TPH Extractable by GC - Soil	51300	1	04/11/12 01:26 PM	GC15_120411A
	Cell 19 (0-1')	Soil	M8015D	TPH Extractable by GC - Soil	51300	1	04/11/12 03:22 PM	GC15_120411A
1203281-03A	Cell 18 (0-1')	Soil	M8015V	TPH Purgeable by GC - Soil	51190	1	03/30/12 02:44 PM	GC4_120330A
	Cell 18 (0-1')	Soil	E418.1	TRPH	51221	1	04/03/12 10:40 AM	IR207_120403A
	Cell 18 (0-1')	Soil	SW8021B	Volatile Organics by GC	51198	1	03/31/12 12:31 PM	GC4_120331A
1203281-03B	Cell 18 (0-1')	Soil	D2216	Percent Moisture	51297	1	04/09/12 08:38 AM	PMOIST_120406A
	Cell 18 (0-1')	Soil	SW7471B	Total Mercury: Soil/Solid	51227	1	04/06/12 01:04 PM	CETAC_HG_120406A
	Cell 18 (0-1')	Soil	SW6020	Trace Metals: ICP-MS - Solid	51209	50	04/09/12 09:48 PM	ICP-MS3_120409A
	Cell 18 (0-1')	Soil	SW6020	Trace Metals: ICP-MS - Solid	51209	5	04/09/12 01:43 PM	ICP-MS3_120409A
1203281-03C	Cell 18 (0-1')	Soil	E300	Anions by IC method - Soil	51191	1	04/02/12 10:07 AM	IC_120402A

Lab Order: 1203281
Client: Larson & Associates
Project: Chevron Landfarm

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1203281-03C	Cell 18 (0-1')	Soil	M8015D	TPH Extractable by GC - Soil	51300	1	04/11/12 01:00 PM	GC15_120411A
1203281-04A	Cell 17 (0-1')	Soil	M8015V	TPH Purgeable by GC - Soil	51190	1	03/30/12 03:09 PM	GC4_120330A
	Cell 17 (0-1')	Soil	E418.1	TRPH	51221	1	04/03/12 10:40 AM	IR207_120403A
	Cell 17 (0-1')	Soil	SW8021B	Volatile Organics by GC	51198	1	03/31/12 12:56 PM	GC4_120331A
1203281-04B	Cell 17 (0-1')	Soil	D2216	Percent Moisture	51297	1	04/09/12 08:38 AM	PMOIST_120406A
	Cell 17 (0-1')	Soil	SW7471B	Total Mercury: Soil/Solid	51227	1	04/06/12 01:06 PM	CETAC_HG_120406A
	Cell 17 (0-1')	Soil	SW6020	Trace Metals: ICP-MS - Solid	51209	5	04/09/12 01:48 PM	ICP-MS3_120409A
	Cell 17 (0-1')	Soil	SW6020	Trace Metals: ICP-MS - Solid	51209	50	04/09/12 09:54 PM	ICP-MS3_120409A
1203281-04C	Cell 17 (0-1')	Soil	E300	Anions by IC method - Soil	51191	1	04/02/12 10:19 AM	IC_120402A
	Cell 17 (0-1')	Soil	M8015D	TPH Extractable by GC - Soil	51300	1	04/11/12 11:15 AM	GC15_120411A
1203281-05A	Cell 21 (0-1')	Soil	M8015V	TPH Purgeable by GC - Soil	51190	1	03/30/12 03:34 PM	GC4_120330A
	Cell 21 (0-1')	Soil	E418.1	TRPH	51221	1	04/03/12 10:40 AM	IR207_120403A
	Cell 21 (0-1')	Soil	SW8021B	Volatile Organics by GC	51198	1	03/31/12 01:22 PM	GC4_120331A
1203281-05B	Cell 21 (0-1')	Soil	D2216	Percent Moisture	51297	1	04/09/12 08:38 AM	PMOIST_120406A
	Cell 21 (0-1')	Soil	SW7471B	Total Mercury: Soil/Solid	51227	1	04/06/12 01:08 PM	CETAC_HG_120406A
	Cell 21 (0-1')	Soil	SW6020	Trace Metals: ICP-MS - Solid	51209	5	04/09/12 01:54 PM	ICP-MS3_120409A
	Cell 21 (0-1')	Soil	SW6020	Trace Metals: ICP-MS - Solid	51209	50	04/09/12 09:59 PM	ICP-MS3_120409A
1203281-05C	Cell 21 (0-1')	Soil	E300	Anions by IC method - Soil	51191	1	04/02/12 11:08 AM	IC_120402A
	Cell 21 (0-1')	Soil	M8015D	TPH Extractable by GC - Soil	51300	1	04/11/12 12:34 PM	GC15_120411A
1203281-06A	Cell 26 (0-1')	Soil	M8015V	TPH Purgeable by GC - Soil	51190	1	03/30/12 04:00 PM	GC4_120330A
	Cell 26 (0-1')	Soil	E418.1	TRPH	51221	1	04/03/12 10:40 AM	IR207_120403A
	Cell 26 (0-1')	Soil	SW8021B	Volatile Organics by GC	51198	1	03/31/12 01:47 PM	GC4_120331A
	Cell 26 (0-1')	Soil	SW8021B	Volatile Organics by GC	51206	1	04/02/12 01:09 PM	GC4_120402A
1203281-06B	Cell 26 (0-1')	Soil	D2216	Percent Moisture	51297	1	04/09/12 08:38 AM	PMOIST_120406A
	Cell 26 (0-1')	Soil	SW7471B	Total Mercury: Soil/Solid	51227	1	04/06/12 01:10 PM	CETAC_HG_120406A
	Cell 26 (0-1')	Soil	SW6020	Trace Metals: ICP-MS - Solid	51209	5	04/09/12 01:59 PM	ICP-MS3_120409A
	Cell 26 (0-1')	Soil	SW6020	Trace Metals: ICP-MS - Solid	51209	50	04/09/12 10:05 PM	ICP-MS3_120409A
1203281-06C	Cell 26 (0-1')	Soil	E300	Anions by IC method - Soil	51191	1	04/02/12 11:20 AM	IC_120402A

Lab Order: 1203281
 Client: Larson & Associates
 Project: Chevron Landfarm

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1203281-06C	Cell 26 (0-1')	Soil	M8015D	TPH Extractable by GC - Soil	51300	1	04/11/12 01:35 PM	GC15_120411A
	Cell 26 (0-1')	Soil	M8015D	TPH Extractable by GC - Soil	51300	5	04/11/12 05:07 PM	GC15_120411A
1203281-07A	Cell 25 (0-1')	Soil	M8015V	TPH Purgeable by GC - Soil	51190	1	03/30/12 04:24 PM	GC4_120330A
	Cell 25 (0-1')	Soil	E418.1	TRPH	51221	1	04/03/12 10:40 AM	IR207_120403A
	Cell 25 (0-1')	Soil	SW8021B	Volatile Organics by GC	51198	1	03/31/12 02:12 PM	GC4_120331A
1203281-07B	Cell 25 (0-1')	Soil	D2216	Percent Moisture	51297	1	04/09/12 08:38 AM	PMOIST_120406A
	Cell 25 (0-1')	Soil	SW7471B	Total Mercury: Soil/Solid	51227	1	04/06/12 01:16 PM	CETAC_HG_120406A
	Cell 25 (0-1')	Soil	SW6020	Trace Metals: ICP-MS - Solid	51209	5	04/09/12 02:05 PM	ICP-MS3_120409A
	Cell 25 (0-1')	Soil	SW6020	Trace Metals: ICP-MS - Solid	51209	50	04/09/12 10:11 PM	ICP-MS3_120409A
1203281-07C	Cell 25 (0-1')	Soil	E300	Anions by IC method - Soil	51191	1	04/02/12 11:32 AM	IC_120402A
	Cell 25 (0-1')	Soil	M8015D	TPH Extractable by GC - Soil	51300	1	04/11/12 12:07 PM	GC15_120411A
1203281-08A	Cell 20 (5-6')	Soil	M8015V	TPH Purgeable by GC - Soil	51190	1	03/30/12 04:50 PM	GC4_120330A
	Cell 20 (5-6')	Soil	E418.1	TRPH	51221	1	04/03/12 10:40 AM	IR207_120403A
	Cell 20 (5-6')	Soil	SW8021B	Volatile Organics by GC	51198	1	03/31/12 02:38 PM	GC4_120331A
1203281-08B	Cell 20 (5-6')	Soil	D2216	Percent Moisture	51297	1	04/09/12 08:38 AM	PMOIST_120406A
	Cell 20 (5-6')	Soil	SW7471B	Total Mercury: Soil/Solid	51227	1	04/06/12 01:18 PM	CETAC_HG_120406A
	Cell 20 (5-6')	Soil	SW6020	Trace Metals: ICP-MS - Solid	51209	5	04/09/12 02:11 PM	ICP-MS3_120409A
	Cell 20 (5-6')	Soil	SW6020	Trace Metals: ICP-MS - Solid	51209	50	04/09/12 10:16 PM	ICP-MS3_120409A
1203281-08C	Cell 20 (5-6')	Soil	E300	Anions by IC method - Soil	51191	1	04/02/12 11:43 AM	IC_120402A
	Cell 20 (5-6')	Soil	M8015D	TPH Extractable by GC - Soil	51300	1	04/11/12 01:09 PM	GC15_120411A
1203281-09A	Cell 19 (5-6')	Soil	M8015V	TPH Purgeable by GC - Soil	51190	1	03/30/12 05:15 PM	GC4_120330A
	Cell 19 (5-6')	Soil	E418.1	TRPH	51221	1	04/03/12 10:40 AM	IR207_120403A
	Cell 19 (5-6')	Soil	SW8021B	Volatile Organics by GC	51198	1	03/31/12 03:03 PM	GC4_120331A
1203281-09B	Cell 19 (5-6')	Soil	D2216	Percent Moisture	51297	1	04/09/12 08:38 AM	PMOIST_120406A
	Cell 19 (5-6')	Soil	SW7471B	Total Mercury: Soil/Solid	51227	1	04/06/12 01:20 PM	CETAC_HG_120406A
	Cell 19 (5-6')	Soil	SW6020	Trace Metals: ICP-MS - Solid	51209	25	04/09/12 10:22 PM	ICP-MS3_120409A
	Cell 19 (5-6')	Soil	SW6020	Trace Metals: ICP-MS - Solid	51209	25	04/11/12 01:10 PM	ICP-MS2_120411A
	Cell 19 (5-6')	Soil	SW6020	Trace Metals: ICP-MS - Solid	51209	5	04/09/12 02:16 PM	ICP-MS3_120409A

Lab Order: 1203281
Client: Larson & Associates
Project: Chevron Landfarm

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1203281-09C	Cell 19 (5-6')	Soil	E300	Anions by IC method - Soil	51191	1	04/02/12 11:55 AM	IC_120402A
	Cell 19 (5-6')	Soil	M8015D	TPH Extractable by GC - Soil	51300	1	04/11/12 10:05 AM	GC15_120411A
1203281-10A	Cell 18 (5-6')	Soil	M8015V	TPH Purgeable by GC - Soil	51190	1	03/30/12 05:40 PM	GC4_120330A
	Cell 18 (5-6')	Soil	E418.1	TRPH	51221	1	04/03/12 10:40 AM	IR207_120403A
	Cell 18 (5-6')	Soil	SW8021B	Volatile Organics by GC	51198	1	03/31/12 03:28 PM	GC4_120331A
1203281-10B	Cell 18 (5-6')	Soil	D2216	Percent Moisture	51297	1	04/09/12 08:38 AM	PMOIST_120406A
	Cell 18 (5-6')	Soil	SW7471B	Total Mercury: Soil/Solid	51227	1	04/06/12 01:22 PM	CETAC_HG_120406A
	Cell 18 (5-6')	Soil	SW6020	Trace Metals: ICP-MS - Solid	51209	5	04/09/12 02:22 PM	ICP-MS3_120409A
1203281-10C	Cell 18 (5-6')	Soil	E300	Anions by IC method - Soil	51191	1	04/02/12 12:06 PM	IC_120402A
	Cell 18 (5-6')	Soil	M8015D	TPH Extractable by GC - Soil	51300	1	04/11/12 10:13 AM	GC15_120411A
1203281-11A	Cell 17 (5-6')	Soil	M8015V	TPH Purgeable by GC - Soil	51190	1	03/30/12 06:57 PM	GC4_120330A
	Cell 17 (5-6')	Soil	E418.1	TRPH	51221	1	04/03/12 10:40 AM	IR207_120403A
	Cell 17 (5-6')	Soil	SW8021B	Volatile Organics by GC	51198	1	03/31/12 04:19 PM	GC4_120331A
1203281-11B	Cell 17 (5-6')	Soil	D2216	Percent Moisture	51297	1	04/09/12 08:38 AM	PMOIST_120406A
	Cell 17 (5-6')	Soil	SW7471B	Total Mercury: Soil/Solid	51227	1	04/06/12 01:24 PM	CETAC_HG_120406A
	Cell 17 (5-6')	Soil	SW6020	Trace Metals: ICP-MS - Solid	51209	1	04/09/12 03:24 PM	ICP-MS3_120409A
	Cell 17 (5-6')	Soil	SW6020	Trace Metals: ICP-MS - Solid	51209	50	04/10/12 12:20 AM	ICP-MS3_120409A
1203281-11C	Cell 17 (5-6')	Soil	E300	Anions by IC method - Soil	51191	1	04/02/12 12:18 PM	IC_120402A
	Cell 17 (5-6')	Soil	M8015D	TPH Extractable by GC - Soil	51300	1	04/11/12 10:22 AM	GC15_120411A
1203281-12A	Cell 21 (5-6')	Soil	M8015V	TPH Purgeable by GC - Soil	51190	1	03/30/12 07:23 PM	GC4_120330A
	Cell 21 (5-6')	Soil	E418.1	TRPH	51221	1	04/03/12 10:40 AM	IR207_120403A
	Cell 21 (5-6')	Soil	SW8021B	Volatile Organics by GC	51198	1	03/31/12 04:45 PM	GC4_120331A
1203281-12B	Cell 21 (5-6')	Soil	D2216	Percent Moisture	51297	1	04/09/12 08:38 AM	PMOIST_120406A
	Cell 21 (5-6')	Soil	SW7471B	Total Mercury: Soil/Solid	51227	1	04/06/12 01:26 PM	CETAC_HG_120406A
	Cell 21 (5-6')	Soil	SW6020	Trace Metals: ICP-MS - Solid	51209	1	04/09/12 03:29 PM	ICP-MS3_120409A
	Cell 21 (5-6')	Soil	SW6020	Trace Metals: ICP-MS - Solid	51209	50	04/10/12 12:26 AM	ICP-MS3_120409A
1203281-12C	Cell 21 (5-6')	Soil	E300	Anions by IC method - Soil	51191	1	04/02/12 12:30 PM	IC_120402A
	Cell 21 (5-6')	Soil	M8015D	TPH Extractable by GC - Soil	51300	1	04/11/12 04:15 PM	GC15_120411A

Lab Order: 1203281
 Client: Larson & Associates
 Project: Chevron Landfarm

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1203281-12C	Cell 21 (5-6')	Soil	M8015D	TPH Extractable by GC - Soil	51300	1	04/11/12 01:53 PM	GC15_120411A
1203281-13A	Cell 26 (5-6')	Soil	M8015V	TPH Purgeable by GC - Soil	51190	1	03/30/12 07:48 PM	GC4_120330A
	Cell 26 (5-6')	Soil	E418.1	TRPH	51221	1	04/03/12 10:40 AM	IR207_120403A
	Cell 26 (5-6')	Soil	SW8021B	Volatile Organics by GC	51198	1	03/31/12 05:11 PM	GC4_120331A
1203281-13B	Cell 26 (5-6')	Soil	D2216	Percent Moisture	51297	1	04/09/12 08:38 AM	PMOIST_120406A
	Cell 26 (5-6')	Soil	SW7471B	Total Mercury: Soil/Solid	51227	1	04/06/12 01:28 PM	CETAC_HG_120406A
	Cell 26 (5-6')	Soil	SW6020	Trace Metals: ICP-MS - Solid	51209	1	04/09/12 03:35 PM	ICP-MS3_120409A
	Cell 26 (5-6')	Soil	SW6020	Trace Metals: ICP-MS - Solid	51209	50	04/10/12 12:32 AM	ICP-MS3_120409A
1203281-13C	Cell 26 (5-6')	Soil	E300	Anions by IC method - Soil	51191	1	04/02/12 12:41 PM	IC_120402A
	Cell 26 (5-6')	Soil	M8015D	TPH Extractable by GC - Soil	51300	1	04/11/12 12:25 PM	GC15_120411A
1203281-14A	Cell 25 (5-6')	Soil	M8015V	TPH Purgeable by GC - Soil	51190	1	03/30/12 08:13 PM	GC4_120330A
	Cell 25 (5-6')	Soil	E418.1	TRPH	51221	1	04/03/12 10:40 AM	IR207_120403A
	Cell 25 (5-6')	Soil	SW8021B	Volatile Organics by GC	51198	1	03/31/12 05:36 PM	GC4_120331A
1203281-14B	Cell 25 (5-6')	Soil	D2216	Percent Moisture	51297	1	04/09/12 08:38 AM	PMOIST_120406A
	Cell 25 (5-6')	Soil	SW7471B	Total Mercury: Soil/Solid	51227	1	04/06/12 01:30 PM	CETAC_HG_120406A
	Cell 25 (5-6')	Soil	SW6020	Trace Metals: ICP-MS - Solid	51209	1	04/09/12 03:40 PM	ICP-MS3_120409A
1203281-14C	Cell 25 (5-6')	Soil	E300	Anions by IC method - Soil	51191	1	04/02/12 12:53 PM	IC_120402A
	Cell 25 (5-6')	Soil	M8015D	TPH Extractable by GC - Soil	51300	1	04/11/12 10:31 AM	GC15_120411A

DHL Analytical

Date: 12-Apr-12

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1203281

Client Sample ID: Cell 20 (0-1')
Lab ID: 1203281-01
Collection Date: 03/28/12 12:50 PM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL							
		M8015D					Analyst: DO
TPH-DRO C10-C28	38.7	9.91	9.91		mg/Kg-dry	1	04/11/12 03:40 PM
Surr: Isopropylbenzene	59.8	0	47-142		%REC	1	04/11/12 03:40 PM
Surr: Octacosane	109	0	25-162		%REC	1	04/11/12 03:40 PM
TPH PURGEABLE BY GC - SOIL							
		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.0997	0.199		mg/Kg-dry	1	03/30/12 01:53 PM
Surr: Tetrachlorethene	100	0	70-134		%REC	1	03/30/12 01:53 PM
VOLATILE ORGANICS BY GC							
		SW8021B					Analyst: DEW
Benzene	ND	0.00289	0.00482		mg/Kg-dry	1	03/31/12 11:40 AM
Ethylbenzene	ND	0.00482	0.0145		mg/Kg-dry	1	03/31/12 11:40 AM
Toluene	ND	0.00482	0.0145		mg/Kg-dry	1	03/31/12 11:40 AM
Xylenes, Total	ND	0.00482	0.0145		mg/Kg-dry	1	03/31/12 11:40 AM
Surr: Tetrachloroethene	90.4	0	79-135		%REC	1	03/31/12 11:40 AM
TOTAL MERCURY: SOIL/SOLID							
		SW7471B					Analyst: LM
Mercury	0.0144	0.0139	0.0347	J	mg/Kg-dry	1	04/06/12 12:59 PM
TRACE METALS: ICP-MS - SOLID							
		SW6020					Analyst: AJR
Arsenic	2.35	0.490	0.980		mg/Kg-dry	5	04/09/12 01:26 PM
Barium	169	0.490	1.96		mg/Kg-dry	5	04/09/12 01:26 PM
Cadmium	0.135	0.0980	0.294	J	mg/Kg-dry	5	04/09/12 01:26 PM
Chromium	8.12	0.490	1.96		mg/Kg-dry	5	04/09/12 01:26 PM
Copper	2.98	0.490	1.96		mg/Kg-dry	5	04/09/12 01:26 PM
Iron	6530	122	122		mg/Kg-dry	50	04/09/12 09:31 PM
Lead	4.62	0.0980	0.294		mg/Kg-dry	5	04/09/12 01:26 PM
Selenium	0.536	0.147	0.490		mg/Kg-dry	5	04/09/12 01:26 PM
Silver	ND	0.0980	0.196		mg/Kg-dry	5	04/09/12 01:26 PM
Zinc	16.7	0.980	2.45		mg/Kg-dry	5	04/09/12 01:26 PM
TRPH							
		E418.1					Analyst: JBC
Petroleum Hydrocarbons, TR	209	5.07	10.1	N	mg/Kg-dry	1	04/03/12 10:40 AM
ANIONS BY IC METHOD - SOIL							
		E300					Analyst: JBC
Chloride	14.1	5.07	5.07		mg/Kg-dry	1	04/02/12 09:44 AM
PERCENT MOISTURE							
		D2216					Analyst: JCG
Percent Moisture	1.84	0	0		WT%	1	04/09/12 08:38 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	N	Parameter not NELAC certified		
				Page 1 of 14

DHL Analytical

Date: 12-Apr-12

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1203281

Client Sample ID: Cell 19 (0-1')
Lab ID: 1203281-02
Collection Date: 03/28/12 01:05 PM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL							
		M8015D					Analyst: DO
TPH-DRO C10-C28	43.1	2.93	9.78		mg/Kg-dry	1	04/11/12 03:22 PM
Surr: Isopropylbenzene	59.9	0	47-142		%REC	1	04/11/12 03:22 PM
Surr: Octacosane	121	0	25-162		%REC	1	04/11/12 03:22 PM
TPH PURGEABLE BY GC - SOIL							
		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.0912	0.182		mg/Kg-dry	1	03/30/12 02:18 PM
Surr: Tetrachlorethene	108	0	70-134		%REC	1	03/30/12 02:18 PM
VOLATILE ORGANICS BY GC							
		SW8021B					Analyst: DEW
Benzene	ND	0.00291	0.00486		mg/Kg-dry	1	03/31/12 12:06 PM
Ethylbenzene	ND	0.00486	0.0146		mg/Kg-dry	1	03/31/12 12:06 PM
Toluene	ND	0.00486	0.0146		mg/Kg-dry	1	03/31/12 12:06 PM
Xylenes, Total	ND	0.00486	0.0146		mg/Kg-dry	1	03/31/12 12:06 PM
Surr: Tetrachloroethene	88.2	0	79-135		%REC	1	03/31/12 12:06 PM
TOTAL MERCURY: SOIL/SOLID							
		SW7471B					Analyst: LM
Mercury	ND	0.0160	0.0400		mg/Kg-dry	1	04/06/12 01:02 PM
TRACE METALS: ICP-MS - SOLID							
		SW6020					Analyst: AJR
Arsenic	2.53	0.502	1.00		mg/Kg-dry	5	04/09/12 01:37 PM
Barium	143	0.502	2.01		mg/Kg-dry	5	04/09/12 01:37 PM
Cadmium	0.120	0.100	0.301	J	mg/Kg-dry	5	04/09/12 01:37 PM
Chromium	8.02	0.502	2.01		mg/Kg-dry	5	04/09/12 01:37 PM
Copper	3.08	0.502	2.01		mg/Kg-dry	5	04/09/12 01:37 PM
Iron	6730	125	125		mg/Kg-dry	50	04/09/12 09:42 PM
Lead	4.65	0.100	0.301		mg/Kg-dry	5	04/09/12 01:37 PM
Selenium	0.421	0.151	0.502	J	mg/Kg-dry	5	04/09/12 01:37 PM
Silver	ND	0.100	0.201		mg/Kg-dry	5	04/09/12 01:37 PM
Zinc	21.8	1.00	2.51		mg/Kg-dry	5	04/09/12 01:37 PM
TRPH							
		E418.1					Analyst: JBC
Petroleum Hydrocarbons, TR	51.6	5.03	10.1	N	mg/Kg-dry	1	04/03/12 10:40 AM
ANIONS BY IC METHOD - SOIL							
		E300					Analyst: JBC
Chloride	18.8	4.92	4.92		mg/Kg-dry	1	04/02/12 09:56 AM
PERCENT MOISTURE							
		D2216					Analyst: JCG
Percent Moisture	1.38	0	0		WT%	1	04/09/12 08:38 AM

Qualifiers:	* Value exceeds TCLP Maximum Concentration Level	B Analyte detected in the associated Method Blank
	C Sample Result or QC discussed in the Case Narrative	DF Dilution Factor
	E TPH pattern not Gas or Diesel Range Pattern	J Analyte detected between MDL and RL
	MDL Method Detection Limit	ND Not Detected at the Method Detection Limit
	RL Reporting Limit	S Spike Recovery outside control limits
	N Parameter not NELAC certified	

DHL Analytical

Date: 12-Apr-12

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1203281

Client Sample ID: Cell 18 (0-1')
Lab ID: 1203281-03
Collection Date: 03/28/12 01:20 PM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL		M8015D					Analyst: DO
TPH-DRO C10-C28	31.1	9.35	9.35		mg/Kg-dry	1	04/11/12 01:00 PM
Surr: Isopropylbenzene	58.5	0	47-142		%REC	1	04/11/12 01:00 PM
Surr: Octacosane	103	0	25-162		%REC	1	04/11/12 01:00 PM
TPH PURGEABLE BY GC - SOIL		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.0923	0.185		mg/Kg-dry	1	03/30/12 02:44 PM
Surr: Tetrachlorethene	113	0	70-134		%REC	1	03/30/12 02:44 PM
VOLATILE ORGANICS BY GC		SW8021B					Analyst: DEW
Benzene	ND	0.00266	0.00444		mg/Kg-dry	1	03/31/12 12:31 PM
Ethylbenzene	ND	0.00444	0.0133		mg/Kg-dry	1	03/31/12 12:31 PM
Toluene	ND	0.00444	0.0133		mg/Kg-dry	1	03/31/12 12:31 PM
Xylenes, Total	ND	0.00444	0.0133		mg/Kg-dry	1	03/31/12 12:31 PM
Surr: Tetrachloroethene	90.9	0	79-135		%REC	1	03/31/12 12:31 PM
TOTAL MERCURY: SOIL/SOLID		SW7471B					Analyst: LM
Mercury	ND	0.0153	0.0382		mg/Kg-dry	1	04/06/12 01:04 PM
TRACE METALS: ICP-MS - SOLID		SW6020					Analyst: AJR
Arsenic	2.57	0.471	0.942		mg/Kg-dry	5	04/09/12 01:43 PM
Barium	131	0.471	1.88		mg/Kg-dry	5	04/09/12 01:43 PM
Cadmium	0.150	0.0942	0.283	J	mg/Kg-dry	5	04/09/12 01:43 PM
Chromium	7.55	0.471	1.88		mg/Kg-dry	5	04/09/12 01:43 PM
Copper	3.75	0.471	1.88		mg/Kg-dry	5	04/09/12 01:43 PM
Iron	5710	118	118		mg/Kg-dry	50	04/09/12 09:48 PM
Lead	6.45	0.0942	0.283		mg/Kg-dry	5	04/09/12 01:43 PM
Selenium	0.523	0.141	0.471		mg/Kg-dry	5	04/09/12 01:43 PM
Silver	ND	0.0942	0.188		mg/Kg-dry	5	04/09/12 01:43 PM
Zinc	18.7	0.942	2.36		mg/Kg-dry	5	04/09/12 01:43 PM
TRPH		E418.1					Analyst: JBC
Petroleum Hydrocarbons, TR	74.0	5.02	10.0	N	mg/Kg-dry	1	04/03/12 10:40 AM
ANIONS BY IC METHOD - SOIL		E300					Analyst: JBC
Chloride	ND	4.97	4.97		mg/Kg-dry	1	04/02/12 10:07 AM
PERCENT MOISTURE		D2216					Analyst: JCG
Percent Moisture	0.812	0	0		WT%	1	04/09/12 08:38 AM

Qualifiers:

- * Value exceeds TCLP Maximum Concentration Level
- C Sample Result or QC discussed in the Case Narrative
- E TPH pattern not Gas or Diesel Range Pattern
- MDL Method Detection Limit
- RL Reporting Limit
- N Parameter not NELAC certified

- B Analyte detected in the associated Method Blank
- DF Dilution Factor
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- S Spike Recovery outside control limits

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DHL Analytical

Date: 12-Apr-12

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1203281

Client Sample ID: Cell 17 (0-1')
Lab ID: 1203281-04
Collection Date: 03/28/12 01:28 PM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL							
		M8015D					Analyst: DO
TPH-DRO C10-C28	47.5	9.89	9.89		mg/Kg-dry	1	04/11/12 11:15 AM
Surr: Isopropylbenzene	61.4	0	47-142		%REC	1	04/11/12 11:15 AM
Surr: Octacosane	125	0	25-162		%REC	1	04/11/12 11:15 AM
TPH PURGEABLE BY GC - SOIL							
		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.0999	0.200		mg/Kg-dry	1	03/30/12 03:09 PM
Surr: Tetrachlorethene	104	0	70-134		%REC	1	03/30/12 03:09 PM
VOLATILE ORGANICS BY GC							
		SW8021B					Analyst: DEW
Benzene	ND	0.00270	0.00449		mg/Kg-dry	1	03/31/12 12:56 PM
Ethylbenzene	ND	0.00449	0.0135		mg/Kg-dry	1	03/31/12 12:56 PM
Toluene	ND	0.00449	0.0135		mg/Kg-dry	1	03/31/12 12:56 PM
Xylenes, Total	ND	0.00449	0.0135		mg/Kg-dry	1	03/31/12 12:56 PM
Surr: Tetrachloroethene	89.2	0	79-135		%REC	1	03/31/12 12:56 PM
TOTAL MERCURY: SOIL/SOLID							
		SW7471B					Analyst: LM
Mercury	ND	0.0147	0.0368		mg/Kg-dry	1	04/06/12 01:06 PM
TRACE METALS: ICP-MS - SOLID							
		SW6020					Analyst: AJR
Arsenic	1.87	0.484	0.968		mg/Kg-dry	5	04/09/12 01:48 PM
Barium	54.6	0.484	1.94		mg/Kg-dry	5	04/09/12 01:48 PM
Cadmium	0.133	0.0968	0.290	J	mg/Kg-dry	5	04/09/12 01:48 PM
Chromium	7.55	0.484	1.94		mg/Kg-dry	5	04/09/12 01:48 PM
Copper	3.09	0.484	1.94		mg/Kg-dry	5	04/09/12 01:48 PM
Iron	6360	121	121		mg/Kg-dry	50	04/09/12 09:54 PM
Lead	5.08	0.0968	0.290		mg/Kg-dry	5	04/09/12 01:48 PM
Selenium	0.525	0.145	0.484		mg/Kg-dry	5	04/09/12 01:48 PM
Silver	ND	0.0968	0.194		mg/Kg-dry	5	04/09/12 01:48 PM
Zinc	17.0	0.968	2.42		mg/Kg-dry	5	04/09/12 01:48 PM
TRPH							
		E418.1					Analyst: JBC
Petroleum Hydrocarbons, TR	47.8	4.97	9.94	N	mg/Kg-dry	1	04/03/12 10:40 AM
ANIONS BY IC METHOD - SOIL							
		E300					Analyst: JBC
Chloride	ND	4.94	4.94		mg/Kg-dry	1	04/02/12 10:19 AM
PERCENT MOISTURE							
		D2216					Analyst: JCG
Percent Moisture	0.669	0	0		WT%	1	04/09/12 08:38 AM

Qualifiers:

- * Value exceeds TCLP Maximum Concentration Level
- C Sample Result or QC discussed in the Case Narrative
- E TPH pattern not Gas or Diesel Range Pattern
- MDL Method Detection Limit
- RL Reporting Limit
- N Parameter not NELAC certified

- B Analyte detected in the associated Method Blank
- DF Dilution Factor
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- S Spike Recovery outside control limits

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DHL Analytical

Date: 12-Apr-12

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1203281

Client Sample ID: Cell 21 (0-1')
Lab ID: 1203281-05
Collection Date: 03/28/12 01:35 PM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL		M8015D					Analyst: DO
TPH-DRO C10-C28	43.3	9.91	9.91		mg/Kg-dry	1	04/11/12 12:34 PM
Surr: Isopropylbenzene	57.7	0	47-142		%REC	1	04/11/12 12:34 PM
Surr: Octacosane	115	0	25-162		%REC	1	04/11/12 12:34 PM
TPH PURGEABLE BY GC - SOIL		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.0937	0.187		mg/Kg-dry	1	03/30/12 03:34 PM
Surr: Tetrachlorethene	108	0	70-134		%REC	1	03/30/12 03:34 PM
VOLATILE ORGANICS BY GC		SW8021B					Analyst: DEW
Benzene	ND	0.00290	0.00483		mg/Kg-dry	1	03/31/12 01:22 PM
Ethylbenzene	ND	0.00483	0.0145		mg/Kg-dry	1	03/31/12 01:22 PM
Toluene	ND	0.00483	0.0145		mg/Kg-dry	1	03/31/12 01:22 PM
Xylenes, Total	ND	0.00483	0.0145		mg/Kg-dry	1	03/31/12 01:22 PM
Surr: Tetrachloroethene	88.5	0	79-135		%REC	1	03/31/12 01:22 PM
TOTAL MERCURY: SOIL/SOLID		SW7471B					Analyst: LM
Mercury	ND	0.0145	0.0363		mg/Kg-dry	1	04/06/12 01:08 PM
TRACE METALS: ICP-MS - SOLID		SW6020					Analyst: AJR
Arsenic	2.15	0.481	0.962		mg/Kg-dry	5	04/09/12 01:54 PM
Barium	98.4	0.481	1.92		mg/Kg-dry	5	04/09/12 01:54 PM
Cadmium	0.126	0.0962	0.289	J	mg/Kg-dry	5	04/09/12 01:54 PM
Chromium	7.82	0.481	1.92		mg/Kg-dry	5	04/09/12 01:54 PM
Copper	3.15	0.481	1.92		mg/Kg-dry	5	04/09/12 01:54 PM
Iron	6670	120	120		mg/Kg-dry	50	04/09/12 09:59 PM
Lead	5.25	0.0962	0.289		mg/Kg-dry	5	04/09/12 01:54 PM
Selenium	0.478	0.144	0.481	J	mg/Kg-dry	5	04/09/12 01:54 PM
Silver	ND	0.0962	0.192		mg/Kg-dry	5	04/09/12 01:54 PM
Zinc	21.6	0.962	2.40		mg/Kg-dry	5	04/09/12 01:54 PM
TRPH		E418.1					Analyst: JBC
Petroleum Hydrocarbons, TR	55.4	4.98	9.96	N	mg/Kg-dry	1	04/03/12 10:40 AM
ANIONS BY IC METHOD - SOIL		E300					Analyst: JBC
Chloride	ND	5.05	5.05		mg/Kg-dry	1	04/02/12 11:08 AM
PERCENT MOISTURE		D2216					Analyst: JCG
Percent Moisture	0.985	0	0		WT%	1	04/09/12 08:38 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	N	Parameter not NELAC certified		

DHL Analytical

Date: 12-Apr-12

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1203281

Client Sample ID: Cell 26 (0-1')
Lab ID: 1203281-06
Collection Date: 03/28/12 01:50 PM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL							
		M8015D					Analyst: DO
TPH-DRO C10-C28	182	48.9	48.9		mg/Kg-dry	5	04/11/12 05:07 PM
Surr: Isopropylbenzene	62.9	0	47-142		%REC	5	04/11/12 05:07 PM
Surr: Octacosane	222	0	25-162	S	%REC	5	04/11/12 05:07 PM
TPH PURGEABLE BY GC - SOIL							
		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.0932	0.186		mg/Kg-dry	1	03/30/12 04:00 PM
Surr: Tetrachlorethene	102	0	70-134		%REC	1	03/30/12 04:00 PM
VOLATILE ORGANICS BY GC							
		SW8021B					Analyst: DEW
Benzene	ND	0.00284	0.00473		mg/Kg-dry	1	04/02/12 01:09 PM
Ethylbenzene	ND	0.00473	0.0142		mg/Kg-dry	1	04/02/12 01:09 PM
Toluene	ND	0.00473	0.0142		mg/Kg-dry	1	04/02/12 01:09 PM
Xylenes, Total	ND	0.00473	0.0142		mg/Kg-dry	1	04/02/12 01:09 PM
Surr: Tetrachloroethene	94.9	0	79-135		%REC	1	04/02/12 01:09 PM
TOTAL MERCURY: SOIL/SOLID							
		SW7471B					Analyst: LM
Mercury	ND	0.0143	0.0358		mg/Kg-dry	1	04/06/12 01:10 PM
TRACE METALS: ICP-MS - SOLID							
		SW6020					Analyst: AJR
Arsenic	2.11	0.490	0.979		mg/Kg-dry	5	04/09/12 01:59 PM
Barium	56.2	0.490	1.96		mg/Kg-dry	5	04/09/12 01:59 PM
Cadmium	0.137	0.0979	0.294	J	mg/Kg-dry	5	04/09/12 01:59 PM
Chromium	7.94	0.490	1.96		mg/Kg-dry	5	04/09/12 01:59 PM
Copper	3.59	0.490	1.96		mg/Kg-dry	5	04/09/12 01:59 PM
Iron	6470	122	122		mg/Kg-dry	50	04/09/12 10:05 PM
Lead	4.84	0.0979	0.294		mg/Kg-dry	5	04/09/12 01:59 PM
Selenium	0.541	0.147	0.490		mg/Kg-dry	5	04/09/12 01:59 PM
Silver	ND	0.0979	0.196		mg/Kg-dry	5	04/09/12 01:59 PM
Zinc	18.9	0.979	2.45		mg/Kg-dry	5	04/09/12 01:59 PM
TRPH							
		E418.1					Analyst: JBC
Petroleum Hydrocarbons, TR	338	5.02	10.0	N	mg/Kg-dry	1	04/03/12 10:40 AM
ANIONS BY IC METHOD - SOIL							
		E300					Analyst: JBC
Chloride	ND	5.04	5.04		mg/Kg-dry	1	04/02/12 11:20 AM
PERCENT MOISTURE							
		D2216					Analyst: JCG
Percent Moisture	0.845	0	0		WT%	1	04/09/12 08:38 AM

Qualifiers:

- * Value exceeds TCLP Maximum Concentration Level
- C Sample Result or QC discussed in the Case Narrative
- E TPH pattern not Gas or Diesel Range Pattern
- MDL Method Detection Limit
- RL Reporting Limit
- N Parameter not NELAC certified

B Analyte detected in the associated Method Blank
DF Dilution Factor
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
S Spike Recovery outside control limits

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DHL Analytical

Date: 12-Apr-12

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1203281

Client Sample ID: Cell 25 (0-1')
Lab ID: 1203281-07
Collection Date: 03/28/12 02:05 PM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL		M8015D					Analyst: DO
TPH-DRO C10-C28	23.3	9.64	9.64		mg/Kg-dry	1	04/11/12 12:07 PM
Surr: Isopropylbenzene	56.2	0	47-142		%REC	1	04/11/12 12:07 PM
Surr: Octacosane	101	0	25-162		%REC	1	04/11/12 12:07 PM
TPH PURGEABLE BY GC - SOIL		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.0987	0.197		mg/Kg-dry	1	03/30/12 04:24 PM
Surr: Tetrachlorethene	111	0	70-134		%REC	1	03/30/12 04:24 PM
VOLATILE ORGANICS BY GC		SW8021B					Analyst: DEW
Benzene	ND	0.00289	0.00482		mg/Kg-dry	1	03/31/12 02:12 PM
Ethylbenzene	ND	0.00482	0.0145		mg/Kg-dry	1	03/31/12 02:12 PM
Toluene	ND	0.00482	0.0145		mg/Kg-dry	1	03/31/12 02:12 PM
Xylenes, Total	ND	0.00482	0.0145		mg/Kg-dry	1	03/31/12 02:12 PM
Surr: Tetrachloroethene	89.2	0	79-135		%REC	1	03/31/12 02:12 PM
TOTAL MERCURY: SOIL/SOLID		SW7471B					Analyst: LM
Mercury	ND	0.0151	0.0377		mg/Kg-dry	1	04/06/12 01:16 PM
TRACE METALS: ICP-MS - SOLID		SW6020					Analyst: AJR
Arsenic	2.25	0.453	0.906		mg/Kg-dry	5	04/09/12 02:05 PM
Barium	76.4	0.453	1.81		mg/Kg-dry	5	04/09/12 02:05 PM
Cadmium	0.142	0.0906	0.272	J	mg/Kg-dry	5	04/09/12 02:05 PM
Chromium	7.38	0.453	1.81		mg/Kg-dry	5	04/09/12 02:05 PM
Copper	2.94	0.453	1.81		mg/Kg-dry	5	04/09/12 02:05 PM
Iron	6440	113	113		mg/Kg-dry	50	04/09/12 10:11 PM
Lead	5.05	0.0906	0.272		mg/Kg-dry	5	04/09/12 02:05 PM
Selenium	0.449	0.136	0.453	J	mg/Kg-dry	5	04/09/12 02:05 PM
Silver	ND	0.0906	0.181		mg/Kg-dry	5	04/09/12 02:05 PM
Zinc	19.1	0.906	2.27		mg/Kg-dry	5	04/09/12 02:05 PM
TRPH		E418.1					Analyst: JBC
Petroleum Hydrocarbons, TR	20.9	5.07	10.1	N	mg/Kg-dry	1	04/03/12 10:40 AM
ANIONS BY IC METHOD - SOIL		E300					Analyst: JBC
Chloride	32.3	4.95	4.95		mg/Kg-dry	1	04/02/12 11:32 AM
PERCENT MOISTURE		D2216					Analyst: JCG
Percent Moisture	1.45	0	0		WT%	1	04/09/12 08:38 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	N	Parameter not NELAC certified		
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DHL Analytical

Date: 12-Apr-12

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1203281

Client Sample ID: Cell 20 (5-6')
Lab ID: 1203281-08
Collection Date: 03/28/12 12:55 PM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL							
		M8015D					Analyst: DO
TPH-DRO C10-C28	37.4	10.4	10.4		mg/Kg-dry	1	04/11/12 01:09 PM
Surr: Isopropylbenzene	60.6	0	47-142		%REC	1	04/11/12 01:09 PM
Surr: Octacosane	120	0	25-162		%REC	1	04/11/12 01:09 PM
TPH PURGEABLE BY GC - SOIL							
		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.0945	0.189		mg/Kg-dry	1	03/30/12 04:50 PM
Surr: Tetrachlorethene	106	0	70-134		%REC	1	03/30/12 04:50 PM
VOLATILE ORGANICS BY GC							
		SW8021B					Analyst: DEW
Benzene	ND	0.00310	0.00517		mg/Kg-dry	1	03/31/12 02:38 PM
Ethylbenzene	ND	0.00517	0.0155		mg/Kg-dry	1	03/31/12 02:38 PM
Toluene	ND	0.00517	0.0155		mg/Kg-dry	1	03/31/12 02:38 PM
Xylenes, Total	ND	0.00517	0.0155		mg/Kg-dry	1	03/31/12 02:38 PM
Surr: Tetrachloroethene	88.9	0	79-135		%REC	1	03/31/12 02:38 PM
TOTAL MERCURY: SOIL/SOLID							
		SW7471B					Analyst: LM
Mercury	ND	0.0162	0.0406		mg/Kg-dry	1	04/06/12 01:18 PM
TRACE METALS: ICP-MS - SOLID							
		SW6020					Analyst: AJR
Arsenic	2.91	0.504	1.01		mg/Kg-dry	5	04/09/12 02:11 PM
Barium	317	0.504	2.02		mg/Kg-dry	5	04/09/12 02:11 PM
Cadmium	ND	0.101	0.302		mg/Kg-dry	5	04/09/12 02:11 PM
Chromium	4.22	0.504	2.02		mg/Kg-dry	5	04/09/12 02:11 PM
Copper	2.02	0.504	2.02		mg/Kg-dry	5	04/09/12 02:11 PM
Iron	3230	126	126		mg/Kg-dry	50	04/09/12 10:16 PM
Lead	2.14	0.101	0.302		mg/Kg-dry	5	04/09/12 02:11 PM
Selenium	0.369	0.151	0.504	J	mg/Kg-dry	5	04/09/12 02:11 PM
Silver	ND	0.101	0.202		mg/Kg-dry	5	04/09/12 02:11 PM
Zinc	7.55	1.01	2.52		mg/Kg-dry	5	04/09/12 02:11 PM
TRPH							
		E418.1					Analyst: JBC
Petroleum Hydrocarbons, TR	116	5.25	10.5	N	mg/Kg-dry	1	04/03/12 10:40 AM
ANIONS BY IC METHOD - SOIL							
		E300					Analyst: JBC
Chloride	21.6	5.25	5.25		mg/Kg-dry	1	04/02/12 11:43 AM
PERCENT MOISTURE							
		D2216					Analyst: JCG
Percent Moisture	5.52	0	0		WT%	1	04/09/12 08:38 AM

Qualifiers: * Value exceeds TCLP Maximum Concentration Level
C Sample Result or QC discussed in the Case Narrative
E TPH pattern not Gas or Diesel Range Pattern
MDL Method Detection Limit
RL Reporting Limit
N Parameter not NELAC certified

B Analyte detected in the associated Method Blank
DF Dilution Factor
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
S Spike Recovery outside control limits

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DHL Analytical

Date: 12-Apr-12

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1203281

Client Sample ID: Cell 19 (5-6')
Lab ID: 1203281-09
Collection Date: 03/28/12 01:10 PM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL		M8015D					Analyst: DO
TPH-DRO C10-C28	ND	10.9	10.9		mg/Kg-dry	1	04/11/12 10:05 AM
Surr: Isopropylbenzene	56.0	0	47-142		%REC	1	04/11/12 10:05 AM
Surr: Octacosane	84.3	0	25-162		%REC	1	04/11/12 10:05 AM
TPH PURGEABLE BY GC - SOIL		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.100	0.200		mg/Kg-dry	1	03/30/12 05:15 PM
Surr: Tetrachlorethene	105	0	70-134		%REC	1	03/30/12 05:15 PM
VOLATILE ORGANICS BY GC		SW8021B					Analyst: DEW
Benzene	ND	0.00300	0.00499		mg/Kg-dry	1	03/31/12 03:03 PM
Ethylbenzene	ND	0.00499	0.0150		mg/Kg-dry	1	03/31/12 03:03 PM
Toluene	ND	0.00499	0.0150		mg/Kg-dry	1	03/31/12 03:03 PM
Xylenes, Total	ND	0.00499	0.0150		mg/Kg-dry	1	03/31/12 03:03 PM
Surr: Tetrachloroethene	90.2	0	79-135		%REC	1	03/31/12 03:03 PM
TOTAL MERCURY: SOIL/SOLID		SW7471B					Analyst: LM
Mercury	ND	0.0150	0.0375		mg/Kg-dry	1	04/06/12 01:20 PM
TRACE METALS: ICP-MS - SOLID		SW6020					Analyst: AJR
Arsenic	4.08	0.542	1.08		mg/Kg-dry	5	04/09/12 02:16 PM
Barium	696	2.71	10.8		mg/Kg-dry	25	04/11/12 01:10 PM
Cadmium	ND	0.108	0.325		mg/Kg-dry	5	04/09/12 02:16 PM
Chromium	2.66	0.542	2.17		mg/Kg-dry	5	04/09/12 02:16 PM
Copper	2.24	0.542	2.17		mg/Kg-dry	5	04/09/12 02:16 PM
Iron	1920	13.6	13.6		mg/Kg-dry	5	04/09/12 02:16 PM
Lead	1.33	0.108	0.325		mg/Kg-dry	5	04/09/12 02:16 PM
Selenium	0.331	0.163	0.542	J	mg/Kg-dry	5	04/09/12 02:16 PM
Silver	ND	0.108	0.217		mg/Kg-dry	5	04/09/12 02:16 PM
Zinc	5.18	1.08	2.71		mg/Kg-dry	5	04/09/12 02:16 PM
TRPH		E418.1					Analyst: JBC
Petroleum Hydrocarbons, TR	5.51	5.51	11.0	JN	mg/Kg-dry	1	04/03/12 10:40 AM
ANIONS BY IC METHOD - SOIL		E300					Analyst: JBC
Chloride	11.7	5.53	5.53		mg/Kg-dry	1	04/02/12 11:55 AM
PERCENT MOISTURE		D2216					Analyst: JCG
Percent Moisture	9.63	0	0		WT%	1	04/09/12 08:38 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	N	Parameter not NELAC certified		

DHL Analytical

Date: 12-Apr-12

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1203281

Client Sample ID: Cell 18 (5-6')
Lab ID: 1203281-10
Collection Date: 03/28/12 01:25 PM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL							
		M8015D					Analyst: DO
TPH-DRO C10-C28	ND	11.0	11.0		mg/Kg-dry	1	04/11/12 10:13 AM
Surr: Isopropylbenzene	53.2	0	47-142		%REC	1	04/11/12 10:13 AM
Surr: Octacosane	79.1	0	25-162		%REC	1	04/11/12 10:13 AM
TPH PURGEABLE BY GC - SOIL							
		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.111	0.221		mg/Kg-dry	1	03/30/12 05:40 PM
Surr: Tetrachlorethene	105	0	70-134		%REC	1	03/30/12 05:40 PM
VOLATILE ORGANICS BY GC							
		SW8021B					Analyst: DEW
Benzene	ND	0.00296	0.00493		mg/Kg-dry	1	03/31/12 03:28 PM
Ethylbenzene	ND	0.00493	0.0148		mg/Kg-dry	1	03/31/12 03:28 PM
Toluene	ND	0.00493	0.0148		mg/Kg-dry	1	03/31/12 03:28 PM
Xylenes, Total	ND	0.00493	0.0148		mg/Kg-dry	1	03/31/12 03:28 PM
Surr: Tetrachloroethene	90.7	0	79-135		%REC	1	03/31/12 03:28 PM
TOTAL MERCURY: SOIL/SOLID							
		SW7471B					Analyst: LM
Mercury	ND	0.0174	0.0434		mg/Kg-dry	1	04/06/12 01:22 PM
TRACE METALS: ICP-MS - SOLID							
		SW6020					Analyst: AJR
Arsenic	5.05	0.524	1.05		mg/Kg-dry	5	04/09/12 02:22 PM
Barium	385	0.524	2.10		mg/Kg-dry	5	04/09/12 02:22 PM
Cadmium	ND	0.105	0.315		mg/Kg-dry	5	04/09/12 02:22 PM
Chromium	2.70	0.524	2.10		mg/Kg-dry	5	04/09/12 02:22 PM
Copper	1.48	0.524	2.10	J	mg/Kg-dry	5	04/09/12 02:22 PM
Iron	2040	13.1	13.1		mg/Kg-dry	5	04/09/12 02:22 PM
Lead	1.38	0.105	0.315		mg/Kg-dry	5	04/09/12 02:22 PM
Selenium	0.399	0.157	0.524	J	mg/Kg-dry	5	04/09/12 02:22 PM
Silver	ND	0.105	0.210		mg/Kg-dry	5	04/09/12 02:22 PM
Zinc	4.98	1.05	2.62		mg/Kg-dry	5	04/09/12 02:22 PM
TRPH							
		E418.1					Analyst: JBC
Petroleum Hydrocarbons, TR	ND	5.56	11.1	N	mg/Kg-dry	1	04/03/12 10:40 AM
ANIONS BY IC METHOD - SOIL							
		E300					Analyst: JBC
Chloride	30.4	5.60	5.60		mg/Kg-dry	1	04/02/12 12:06 PM
PERCENT MOISTURE							
		D2216					Analyst: JCG
Percent Moisture	10.9	0	0		WT%	1	04/09/12 08:38 AM

Qualifiers: * Value exceeds TCLP Maximum Concentration Level
C Sample Result or QC discussed in the Case Narrative
E TPH pattern not Gas or Diesel Range Pattern
MDL Method Detection Limit
RL Reporting Limit
N Parameter not NELAC certified

B Analyte detected in the associated Method Blank
DF Dilution Factor
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
S Spike Recovery outside control limits

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DHL Analytical

Date: 12-Apr-12

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1203281

Client Sample ID: Cell 17 (5-6')
Lab ID: 1203281-11
Collection Date: 03/28/12 01:30 PM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL		M8015D					Analyst: DO
TPH-DRO C10-C28	ND	11.0	11.0		mg/Kg-dry	1	04/11/12 10:22 AM
Surr: Isopropylbenzene	59.1	0	47-142		%REC	1	04/11/12 10:22 AM
Surr: Octacosane	86.7	0	25-162		%REC	1	04/11/12 10:22 AM
TPH PURGEABLE BY GC - SOIL		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.104	0.209		mg/Kg-dry	1	03/30/12 06:57 PM
Surr: Tetrachlorethene	99.6	0	70-134		%REC	1	03/30/12 06:57 PM
VOLATILE ORGANICS BY GC		SW8021B					Analyst: DEW
Benzene	ND	0.00323	0.00538		mg/Kg-dry	1	03/31/12 04:19 PM
Ethylbenzene	ND	0.00538	0.0161		mg/Kg-dry	1	03/31/12 04:19 PM
Toluene	ND	0.00538	0.0161		mg/Kg-dry	1	03/31/12 04:19 PM
Xylenes, Total	ND	0.00538	0.0161		mg/Kg-dry	1	03/31/12 04:19 PM
Surr: Tetrachloroethene	87.8	0	79-135		%REC	1	03/31/12 04:19 PM
TOTAL MERCURY: SOIL/SOLID		SW7471B					Analyst: LM
Mercury	ND	0.0149	0.0373		mg/Kg-dry	1	04/06/12 01:24 PM
TRACE METALS: ICP-MS - SOLID		SW6020					Analyst: AJR
Arsenic	0.939	0.103	0.207		mg/Kg-dry	1	04/09/12 03:24 PM
Barium	35.3	0.103	0.414		mg/Kg-dry	1	04/09/12 03:24 PM
Cadmium	ND	0.0207	0.0621		mg/Kg-dry	1	04/09/12 03:24 PM
Chromium	1.06	0.103	0.414		mg/Kg-dry	1	04/09/12 03:24 PM
Copper	0.481	0.103	0.414		mg/Kg-dry	1	04/09/12 03:24 PM
Iron	4290	129	129		mg/Kg-dry	50	04/10/12 12:20 AM
Lead	0.592	0.0207	0.0621		mg/Kg-dry	1	04/09/12 03:24 PM
Selenium	0.103	0.0310	0.103	J	mg/Kg-dry	1	04/09/12 03:24 PM
Silver	ND	0.0207	0.0414		mg/Kg-dry	1	04/09/12 03:24 PM
Zinc	1.91	0.207	0.517		mg/Kg-dry	1	04/09/12 03:24 PM
TRPH		E418.1					Analyst: JBC
Petroleum Hydrocarbons, TR	ND	5.51	11.0	N	mg/Kg-dry	1	04/03/12 10:40 AM
ANIONS BY IC METHOD - SOIL		E300					Analyst: JBC
Chloride	163	5.44	5.44		mg/Kg-dry	1	04/02/12 12:18 PM
PERCENT MOISTURE		D2216					Analyst: JCG
Percent Moisture	9.69	0	0		WT%	1	04/09/12 08:38 AM

Qualifiers:

- * Value exceeds TCLP Maximum Concentration Level
- C Sample Result or QC discussed in the Case Narrative
- E TPH pattern not Gas or Diesel Range Pattern
- MDL Method Detection Limit
- RL Reporting Limit
- N Parameter not NELAC certified

- B Analyte detected in the associated Method Blank
- DF Dilution Factor
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- S Spike Recovery outside control limits

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DHL Analytical

Date: 12-Apr-12

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1203281

Client Sample ID: Cell 21 (5-6')
Lab ID: 1203281-12
Collection Date: 03/28/12 01:40 PM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL							
		M8015D					Analyst: DO
TPH-DRO C10-C28	61.2	9.44	9.44		mg/Kg-dry	1	04/11/12 04:15 PM
Surr: Isopropylbenzene	66.3	0	47-142		%REC	1	04/11/12 04:15 PM
Surr: Octacosane	150	0	25-162		%REC	1	04/11/12 04:15 PM
TPH PURGEABLE BY GC - SOIL							
		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.0929	0.186		mg/Kg-dry	1	03/30/12 07:23 PM
Surr: Tetrachlorethene	105	0	70-134		%REC	1	03/30/12 07:23 PM
VOLATILE ORGANICS BY GC							
		SW8021B					Analyst: DEW
Benzene	ND	0.00290	0.00483		mg/Kg-dry	1	03/31/12 04:45 PM
Ethylbenzene	ND	0.00483	0.0145		mg/Kg-dry	1	03/31/12 04:45 PM
Toluene	ND	0.00483	0.0145		mg/Kg-dry	1	03/31/12 04:45 PM
Xylenes, Total	ND	0.00483	0.0145		mg/Kg-dry	1	03/31/12 04:45 PM
Surr: Tetrachloroethene	90.9	0	79-135		%REC	1	03/31/12 04:45 PM
TOTAL MERCURY: SOIL/SOLID							
		SW7471B					Analyst: LM
Mercury	ND	0.0146	0.0364		mg/Kg-dry	1	04/06/12 01:26 PM
TRACE METALS: ICP-MS - SOLID							
		SW6020					Analyst: AJR
Arsenic	0.560	0.0868	0.174		mg/Kg-dry	1	04/09/12 03:29 PM
Barium	34.4	0.0868	0.347		mg/Kg-dry	1	04/09/12 03:29 PM
Cadmium	0.0333	0.0174	0.0521	J	mg/Kg-dry	1	04/09/12 03:29 PM
Chromium	1.10	0.0868	0.347		mg/Kg-dry	1	04/09/12 03:29 PM
Copper	1.20	0.0868	0.347		mg/Kg-dry	1	04/09/12 03:29 PM
Iron	4000	109	109		mg/Kg-dry	50	04/10/12 12:26 AM
Lead	0.641	0.0174	0.0521		mg/Kg-dry	1	04/09/12 03:29 PM
Selenium	0.0874	0.0260	0.0868		mg/Kg-dry	1	04/09/12 03:29 PM
Silver	ND	0.0174	0.0347		mg/Kg-dry	1	04/09/12 03:29 PM
Zinc	2.81	0.174	0.434		mg/Kg-dry	1	04/09/12 03:29 PM
TRPH							
		E418.1					Analyst: JBC
Petroleum Hydrocarbons, TR	105	5.13	10.3	N	mg/Kg-dry	1	04/03/12 10:40 AM
ANIONS BY IC METHOD - SOIL							
		E300					Analyst: JBC
Chloride	5.58	5.15	5.15		mg/Kg-dry	1	04/02/12 12:30 PM
PERCENT MOISTURE							
		D2216					Analyst: JCG
Percent Moisture	3.22	0	0		WT%	1	04/09/12 08:38 AM

Qualifiers: * Value exceeds TCLP Maximum Concentration Level
C Sample Result or QC discussed in the Case Narrative
E TPH pattern not Gas or Diesel Range Pattern
MDL Method Detection Limit
RL Reporting Limit
N Parameter not NELAC certified

B Analyte detected in the associated Method Blank
DF Dilution Factor
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
S Spike Recovery outside control limits

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DHL Analytical

Date: 12-Apr-12

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1203281

Client Sample ID: Cell 26 (5-6')
Lab ID: 1203281-13
Collection Date: 03/28/12 01:55 PM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL							
		M8015D					Analyst: DO
TPH-DRO C10-C28	57.3	9.66	9.66		mg/Kg-dry	1	04/11/12 12:25 PM
Surr: Isopropylbenzene	63.3	0	47-142		%REC	1	04/11/12 12:25 PM
Surr: Octacosane	118	0	25-162		%REC	1	04/11/12 12:25 PM
TPH PURGEABLE BY GC - SOIL							
		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.0969	0.194		mg/Kg-dry	1	03/30/12 07:48 PM
Surr: Tetrachlorethene	101	0	70-134		%REC	1	03/30/12 07:48 PM
VOLATILE ORGANICS BY GC							
		SW8021B					Analyst: DEW
Benzene	ND	0.00298	0.00497		mg/Kg-dry	1	03/31/12 05:11 PM
Ethylbenzene	ND	0.00497	0.0149		mg/Kg-dry	1	03/31/12 05:11 PM
Toluene	ND	0.00497	0.0149		mg/Kg-dry	1	03/31/12 05:11 PM
Xylenes, Total	ND	0.00497	0.0149		mg/Kg-dry	1	03/31/12 05:11 PM
Surr: Tetrachloroethene	87.6	0	79-135		%REC	1	03/31/12 05:11 PM
TOTAL MERCURY: SOIL/SOLID							
		SW7471B					Analyst: LM
Mercury	ND	0.0147	0.0368		mg/Kg-dry	1	04/06/12 01:28 PM
TRACE METALS: ICP-MS - SOLID							
		SW6020					Analyst: AJR
Arsenic	0.587	0.0991	0.198		mg/Kg-dry	1	04/09/12 03:35 PM
Barium	29.6	0.0991	0.396		mg/Kg-dry	1	04/09/12 03:35 PM
Cadmium	0.0317	0.0198	0.0594	J	mg/Kg-dry	1	04/09/12 03:35 PM
Chromium	0.836	0.0991	0.396		mg/Kg-dry	1	04/09/12 03:35 PM
Copper	0.486	0.0991	0.396		mg/Kg-dry	1	04/09/12 03:35 PM
Iron	3530	124	124		mg/Kg-dry	50	04/10/12 12:32 AM
Lead	0.492	0.0198	0.0594		mg/Kg-dry	1	04/09/12 03:35 PM
Selenium	0.0989	0.0297	0.0991	J	mg/Kg-dry	1	04/09/12 03:35 PM
Silver	ND	0.0198	0.0396		mg/Kg-dry	1	04/09/12 03:35 PM
Zinc	1.76	0.198	0.495		mg/Kg-dry	1	04/09/12 03:35 PM
TRPH							
		E418.1					Analyst: JBC
Petroleum Hydrocarbons, TR	164	5.15	10.3	N	mg/Kg-dry	1	04/03/12 10:40 AM
ANIONS BY IC METHOD - SOIL							
		E300					Analyst: JBC
Chloride	ND	5.06	5.06		mg/Kg-dry	1	04/02/12 12:41 PM
PERCENT MOISTURE							
		D2216					Analyst: JCG
Percent Moisture	3.87	0	0		WT%	1	04/09/12 08:38 AM

Qualifiers:

- * Value exceeds TCLP Maximum Concentration Level
- C Sample Result or QC discussed in the Case Narrative
- E TPH pattern not Gas or Diesel Range Pattern
- MDL Method Detection Limit
- RL Reporting Limit
- N Parameter not NELAC certified

- B Analyte detected in the associated Method Blank
- DF Dilution Factor
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- S Spike Recovery outside control limits

DHL Analytical

Date: 12-Apr-12

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1203281

Client Sample ID: Cell 25 (5-6')
Lab ID: 1203281-14
Collection Date: 03/28/12 02:10 PM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL		M8015D					Analyst: DO
TPH-DRO C10-C28	ND	10.4	10.4		mg/Kg-dry	1	04/11/12 10:31 AM
Surr: Isopropylbenzene	60.0	0	47-142		%REC	1	04/11/12 10:31 AM
Surr: Octacosane	83.0	0	25-162		%REC	1	04/11/12 10:31 AM
TPH PURGEABLE BY GC - SOIL		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.0963	0.193		mg/Kg-dry	1	03/30/12 08:13 PM
Surr: Tetrachlorethene	101	0	70-134		%REC	1	03/30/12 08:13 PM
VOLATILE ORGANICS BY GC		SW8021B					Analyst: DEW
Benzene	ND	0.00292	0.00487		mg/Kg-dry	1	03/31/12 05:36 PM
Ethylbenzene	ND	0.00487	0.0146		mg/Kg-dry	1	03/31/12 05:36 PM
Toluene	ND	0.00487	0.0146		mg/Kg-dry	1	03/31/12 05:36 PM
Xylenes, Total	ND	0.00487	0.0146		mg/Kg-dry	1	03/31/12 05:36 PM
Surr: Tetrachloroethene	86.2	0	79-135		%REC	1	03/31/12 05:36 PM
TOTAL MERCURY: SOIL/SOLID		SW7471B					Analyst: LM
Mercury	ND	0.0147	0.0367		mg/Kg-dry	1	04/06/12 01:30 PM
TRACE METALS: ICP-MS - SOLID		SW6020					Analyst: AJR
Arsenic	0.479	0.0990	0.198		mg/Kg-dry	1	04/09/12 03:40 PM
Barium	93.5	0.0990	0.396		mg/Kg-dry	1	04/09/12 03:40 PM
Cadmium	0.0333	0.0198	0.0594	J	mg/Kg-dry	1	04/09/12 03:40 PM
Chromium	0.621	0.0990	0.396		mg/Kg-dry	1	04/09/12 03:40 PM
Copper	0.363	0.0990	0.396	J	mg/Kg-dry	1	04/09/12 03:40 PM
Iron	465	2.48	2.48		mg/Kg-dry	1	04/09/12 03:40 PM
Lead	0.362	0.0198	0.0594		mg/Kg-dry	1	04/09/12 03:40 PM
Selenium	0.0701	0.0297	0.0990	J	mg/Kg-dry	1	04/09/12 03:40 PM
Silver	ND	0.0198	0.0396		mg/Kg-dry	1	04/09/12 03:40 PM
Zinc	1.25	0.198	0.495		mg/Kg-dry	1	04/09/12 03:40 PM
TRPH		E418.1					Analyst: JBC
Petroleum Hydrocarbons, TR	ND	5.33	10.7	N	mg/Kg-dry	1	04/03/12 10:40 AM
ANIONS BY IC METHOD - SOIL		E300					Analyst: JBC
Chloride	ND	5.18	5.18		mg/Kg-dry	1	04/02/12 12:53 PM
PERCENT MOISTURE		D2216					Analyst: JCG
Percent Moisture	6.47	0	0		WT%	1	04/09/12 08:38 AM

Qualifiers:	* Value exceeds TCLP Maximum Concentration Level	B Analyte detected in the associated Method Blank
	C Sample Result or QC discussed in the Case Narrative	DF Dilution Factor
	E TPH pattern not Gas or Diesel Range Pattern	J Analyte detected between MDL and RL
	MDL Method Detection Limit	ND Not Detected at the Method Detection Limit
	RL Reporting Limit	S Spike Recovery outside control limits
	N Parameter not NELAC certified	

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CLIENT: Larson & Associates
Work Order: 1203281
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT**RunID: GC15_120411A**

The QC data in batch 51300 applies to the following samples: 1203281-01C, 1203281-02C, 1203281-03C, 1203281-04C, 1203281-05C, 1203281-06C, 1203281-07C, 1203281-08C, 1203281-09C, 1203281-10C, 1203281-11C, 1203281-12C, 1203281-13C, 1203281-14C

Sample ID: LCS-51300	Batch ID: 51300	TestNo: M8015D	Units: mg/Kg
SampType: LCS	Run ID: GC15_120411A	Analysis Date: 4/11/2012 9:29:57 AM	Prep Date: 4/6/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	99.6	10.0	125.0	0	79.7	50	114			
Surr: Isopropylbenzene	3.88		7.500		51.7	47	142			
Surr: Octacosane	5.73		7.500		76.4	25	162			

Sample ID: MB-51300	Batch ID: 51300	TestNo: M8015D	Units: mg/Kg
SampType: MBLK	Run ID: GC15_120411A	Analysis Date: 4/11/2012 9:56:18 AM	Prep Date: 4/6/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	ND	10.0								
Surr: Isopropylbenzene	3.14		7.500		41.8	47	142			S
Surr: Octacosane	5.98		7.500		79.8	25	162			

Sample ID: 1203281-08CMS	Batch ID: 51300	TestNo: M8015D	Units: mg/Kg-dry
SampType: MS	Run ID: GC15_120411A	Analysis Date: 4/11/2012 5:42:56 PM	Prep Date: 4/6/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	118	10.3	129.3	37.40	62.7	50	114			
Surr: Isopropylbenzene	5.04		7.760		64.9	47	142			
Surr: Octacosane	7.37		7.760		95.0	25	162			

Sample ID: 1203281-08CMSD	Batch ID: 51300	TestNo: M8015D	Units: mg/Kg-dry
SampType: MSD	Run ID: GC15_120411A	Analysis Date: 4/11/2012 5:51:42 PM	Prep Date: 4/6/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	113	10.3	128.3	37.40	58.8	50	114	4.88	30	
Surr: Isopropylbenzene	4.19		7.700		54.5	47	142	0	0	
Surr: Octacosane	7.45		7.700		96.8	25	162	0	0	

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1203281
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_120411A

Sample ID: ICV-120411	Batch ID: R59984	TestNo: M8015D	Units: mg/Kg							
SampType: ICV	Run ID: GC15_120411A	Analysis Date: 4/11/2012 9:11:59 AM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	553	10.0	500.0	0	111	80	120			
Surr: Isopropylbenzene	23.5		25.00		94.1	47	142			
Surr: Octacosane	24.1		25.00		96.6	25	162			

Sample ID: CCV1-120411	Batch ID: R59984	TestNo: M8015D	Units: mg/Kg							
SampType: CCV	Run ID: GC15_120411A	Analysis Date: 4/11/2012 10:57:40 AM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	276	10.0	250.0	0	111	80	120			
Surr: Isopropylbenzene	11.8		12.50		94.7	47	142			
Surr: Octacosane	12.6		12.50		101	25	162			

Sample ID: CCV2-120411	Batch ID: R59984	TestNo: M8015D	Units: mg/Kg							
SampType: CCV	Run ID: GC15_120411A	Analysis Date: 4/11/2012 12:42:59 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	275	10.0	250.0	0	110	80	120			
Surr: Isopropylbenzene	12.4		12.50		99.2	47	142			
Surr: Octacosane	15.9		12.50		127	25	162			

Sample ID: CCV3-120411	Batch ID: R59984	TestNo: M8015D	Units: mg/Kg							
SampType: CCV	Run ID: GC15_120411A	Analysis Date: 4/11/2012 2:37:02 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	241	10.0	250.0	0	96.5	80	120			
Surr: Isopropylbenzene	13.0		12.50		104	47	142			
Surr: Octacosane	17.8		12.50		142	25	162			

Sample ID: CCV4-120411	Batch ID: R59984	TestNo: M8015D	Units: mg/Kg							
SampType: CCV	Run ID: GC15_120411A	Analysis Date: 4/11/2012 5:34:10 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	273	10.0	250.0	0	109	80	120			
Surr: Isopropylbenzene	13.5		12.50		108	47	142			
Surr: Octacosane	12.5		12.50		100	25	162			

Sample ID: CCV5-120411	Batch ID: R59984	TestNo: M8015D	Units: mg/Kg							
SampType: CCV	Run ID: GC15_120411A	Analysis Date: 4/11/2012 6:00:27 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	270	10.0	250.0	0	108	80	120			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1203281
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_120411A

Sample ID: CCV5-120411	Batch ID: R59984	TestNo: M8015D	Units: mg/Kg							
SampType: CCV	Run ID: GC15_120411A	Analysis Date: 4/11/2012 6:00:27 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: Isopropylbenzene	12.9		12.50		103	47	142			
Surr: Octacosane	14.7		12.50		117	25	162			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1203281
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_120330A

The QC data in batch 51190 applies to the following samples: 1203281-01A, 1203281-02A, 1203281-03A, 1203281-04A, 1203281-05A, 1203281-06A, 1203281-07A, 1203281-08A, 1203281-09A, 1203281-10A, 1203281-11A, 1203281-12A, 1203281-13A, 1203281-14A

Sample ID: LCS-51190	Batch ID: 51190	TestNo: M8015V	Units: mg/Kg
SampType: LCS	Run ID: GC4_120330A	Analysis Date: 3/30/2012 12:37:15 PM	Prep Date: 3/30/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	5.06	0.200	5.000	0	101	68	126			
Surr: Tetrachlorethene	0.399		0.4000		99.7	70	134			

Sample ID: MB-51190	Batch ID: 51190	TestNo: M8015V	Units: mg/Kg
SampType: MBLK	Run ID: GC4_120330A	Analysis Date: 3/30/2012 1:27:44 PM	Prep Date: 3/30/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	ND	0.200								
Surr: Tetrachlorethene	0.412		0.4000		103	70	134			

Sample ID: 1203281-14AMS	Batch ID: 51190	TestNo: M8015V	Units: mg/Kg-dry
SampType: MS	Run ID: GC4_120330A	Analysis Date: 3/30/2012 8:39:56 PM	Prep Date: 3/30/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	4.31	0.201	5.034	0	85.6	68	126			
Surr: Tetrachlorethene	0.404		0.4027		100	70	134			

Sample ID: 1203281-14AMSD	Batch ID: 51190	TestNo: M8015V	Units: mg/Kg-dry
SampType: MSD	Run ID: GC4_120330A	Analysis Date: 3/30/2012 9:05:54 PM	Prep Date: 3/30/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	4.56	0.208	5.200	0	87.8	68	126	5.80	30	
Surr: Tetrachlorethene	0.396		0.4160		95.1	70	134	0	0	

Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

- DF Dilution Factor
- MDL Method Detection Limit
- R RPD outside accepted control limits
- S Spike Recovery outside control limits
- N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1203281
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_120330A

Sample ID: ICV-120330	Batch ID: R59824	TestNo: M8015V	Units: mg/Kg							
SampType: ICV	Run ID: GC4_120330A	Analysis Date: 3/30/2012 12:10:53 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Gasoline Range Organics	10.2	0.200	10.00	0	102	80	120			
Surr: Tetrachlorethene	0.422		0.4000		106	70	134			

Sample ID: CCV1-120330	Batch ID: R59824	TestNo: M8015V	Units: mg/Kg							
SampType: CCV	Run ID: GC4_120330A	Analysis Date: 3/30/2012 6:06:49 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Gasoline Range Organics	5.04	0.200	5.000	0	101	80	120			
Surr: Tetrachlorethene	0.361		0.4000		90.1	70	134			

Sample ID: CCV2-120330	Batch ID: R59824	TestNo: M8015V	Units: mg/Kg							
SampType: CCV	Run ID: GC4_120330A	Analysis Date: 3/30/2012 9:30:29 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Gasoline Range Organics	5.22	0.200	5.000	0	104	80	120			
Surr: Tetrachlorethene	0.350		0.4000		87.6	70	134			

Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

- DF Dilution Factor
- MDL Method Detection Limit
- R RPD outside accepted control limits
- S Spike Recovery outside control limits
- N Parameter not NELAC certified

CLIENT: Larson & Associates**Work Order:** 1203281**Project:** Chevron Landfarm**ANALYTICAL QC SUMMARY REPORT****RunID:** GC4_120331A

The QC data in batch 51198 applies to the following samples: 1203281-01A, 1203281-02A, 1203281-03A, 1203281-04A, 1203281-05A, 1203281-06A, 1203281-07A, 1203281-08A, 1203281-09A, 1203281-10A, 1203281-11A, 1203281-12A, 1203281-13A, 1203281-14A

Sample ID: LCS-51198	Batch ID: 51198	TestNo: SW8021B	Units: mg/Kg
SampType: LCS	Run ID: GC4_120331A	Analysis Date: 3/31/2012 10:49:11 AM	Prep Date: 3/31/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.102	0.00500	0.1000	0	102	65	113			
Toluene	0.104	0.0150	0.1000	0	104	73	115			
Ethylbenzene	0.105	0.0150	0.1000	0	105	74	118			
Xylenes, Total	0.320	0.0150	0.3000	0	107	73	119			
Surr: Tetrachloroethene	0.172		0.2000		86.2	79	135			

Sample ID: MB-51198	Batch ID: 51198	TestNo: SW8021B	Units: mg/Kg
SampType: MBLK	Run ID: GC4_120331A	Analysis Date: 3/31/2012 11:14:19 AM	Prep Date: 3/31/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.00500								
Toluene	ND	0.0150								
Ethylbenzene	ND	0.0150								
Xylenes, Total	ND	0.0150								
Surr: Tetrachloroethene	0.171		0.2000		85.4	79	135			

Sample ID: 1203281-14AMS	Batch ID: 51198	TestNo: SW8021B	Units: mg/Kg-dry
SampType: MS	Run ID: GC4_120331A	Analysis Date: 3/31/2012 6:02:01 PM	Prep Date: 3/31/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.0997	0.00509	0.1018	0	97.9	65	113			
Toluene	0.101	0.0153	0.1018	0	99.0	73	115			
Ethylbenzene	0.101	0.0153	0.1018	0	99.0	74	118			
Xylenes, Total	0.305	0.0153	0.3055	0	99.9	73	119			
Surr: Tetrachloroethene	0.173		0.2037		84.9	79	135			

Sample ID: 1203281-14MSD	Batch ID: 51198	TestNo: SW8021B	Units: mg/Kg-dry
SampType: MSD	Run ID: GC4_120331A	Analysis Date: 3/31/2012 6:27:29 PM	Prep Date: 3/31/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.105	0.00525	0.1050	0	99.6	65	113	4.81	30	
Toluene	0.106	0.0158	0.1050	0	100	73	115	4.56	30	
Ethylbenzene	0.106	0.0158	0.1050	0	101	74	118	4.80	30	
Xylenes, Total	0.320	0.0158	0.3151	0	102	73	119	4.88	30	
Surr: Tetrachloroethene	0.180		0.2101		85.8	79	135	0	0	

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1203281
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_120331A

Sample ID: ICV-120331	Batch ID: R59827	TestNo: SW8021B	Units: mg/Kg
SampType: ICV	Run ID: GC4_120331A	Analysis Date: 3/31/2012 10:24:36 AM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.208	0.00500	0.2000	0	104	80	120			
Toluene	0.210	0.0150	0.2000	0	105	80	120			
Ethylbenzene	0.211	0.0150	0.2000	0	105	80	120			
Xylenes, Total	0.631	0.0150	0.6000	0	105	80	120			
Surr: Tetrachloroethene	0.176		0.2000		87.8	79	135			

Sample ID: CCV1-120331	Batch ID: R59827	TestNo: SW8021B	Units: mg/Kg
SampType: CCV	Run ID: GC4_120331A	Analysis Date: 3/31/2012 3:54:41 PM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.0969	0.00500	0.1000	0	96.9	80	120			
Toluene	0.101	0.0150	0.1000	0	101	80	120			
Ethylbenzene	0.101	0.0150	0.1000	0	101	80	120			
Xylenes, Total	0.304	0.0150	0.3000	0	101	80	120			
Surr: Tetrachloroethene	0.163		0.2000		81.7	79	135			

Sample ID: CCV2-120331	Batch ID: R59827	TestNo: SW8021B	Units: mg/Kg
SampType: CCV	Run ID: GC4_120331A	Analysis Date: 3/31/2012 6:51:58 PM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.0981	0.00500	0.1000	0	98.1	80	120			
Toluene	0.0995	0.0150	0.1000	0	99.5	80	120			
Ethylbenzene	0.100	0.0150	0.1000	0	100	80	120			
Xylenes, Total	0.303	0.0150	0.3000	0	101	80	120			
Surr: Tetrachloroethene	0.164		0.2000		81.8	79	135			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1203281
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_120402A

The QC data in batch 51206 applies to the following samples: 1203281-06A

Sample ID: LCS-51206	Batch ID: 51206	TestNo: SW8021B	Units: mg/Kg							
SampType: LCS	Run ID: GC4_120402A	Analysis Date: 4/2/2012 12:18:49 PM	Prep Date: 4/2/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.0950	0.00500	0.1000	0	95.0	65	113			
Toluene	0.0978	0.0150	0.1000	0	97.8	73	115			
Ethylbenzene	0.100	0.0150	0.1000	0	100	74	118			
Xylenes, Total	0.304	0.0150	0.3000	0	101	73	119			
Surr: Tetrachloroethene	0.179		0.2000		89.5	79	135			

Sample ID: MB-51206	Batch ID: 51206	TestNo: SW8021B	Units: mg/Kg							
SampType: MBLK	Run ID: GC4_120402A	Analysis Date: 4/2/2012 12:44:55 PM	Prep Date: 4/2/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.00500								
Toluene	ND	0.0150								
Ethylbenzene	ND	0.0150								
Xylenes, Total	ND	0.0150								
Surr: Tetrachloroethene	0.180		0.2000		89.9	79	135			

Sample ID: 1204002-20AMS	Batch ID: 51206	TestNo: SW8021B	Units: mg/Kg-dry							
SampType: MS	Run ID: GC4_120402A	Analysis Date: 4/2/2012 2:00:26 PM	Prep Date: 4/2/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.117	0.00585	0.1171	0	100	65	113			
Toluene	0.120	0.0176	0.1171	0	103	73	115			
Ethylbenzene	0.122	0.0176	0.1171	0	104	74	118			
Xylenes, Total	0.370	0.0176	0.3512	0	105	73	119			
Surr: Tetrachloroethene	0.231		0.2341		98.5	79	135			

Sample ID: 1204002-20AMSD	Batch ID: 51206	TestNo: SW8021B	Units: mg/Kg-dry							
SampType: MSD	Run ID: GC4_120402A	Analysis Date: 4/2/2012 2:22:49 PM	Prep Date: 4/2/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.127	0.00616	0.1231	0	103	65	113	8.03	30	
Toluene	0.130	0.0185	0.1231	0	105	73	115	7.35	30	
Ethylbenzene	0.131	0.0185	0.1231	0	106	74	118	7.09	30	
Xylenes, Total	0.400	0.0185	0.3694	0	108	73	119	7.77	30	
Surr: Tetrachloroethene	0.243		0.2463		98.9	79	135	0	0	

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1203281
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_120402A

Sample ID: ICV-120402	Batch ID: R59838	TestNo: SW8021B	Units: mg/Kg
SampType: ICV	Run ID: GC4_120402A	Analysis Date: 4/2/2012 11:54:10 AM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.190	0.00500	0.2000	0	95.0	80	120			
Toluene	0.196	0.0150	0.2000	0	97.8	80	120			
Ethylbenzene	0.199	0.0150	0.2000	0	99.3	80	120			
Xylenes, Total	0.596	0.0150	0.6000	0	99.3	80	120			
Surr: Tetrachloroethene	0.184		0.2000		92.2	79	135			

Sample ID: CCV1-120402	Batch ID: R59838	TestNo: SW8021B	Units: mg/Kg
SampType: CCV	Run ID: GC4_120402A	Analysis Date: 4/2/2012 2:47:26 PM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.100	0.00500	0.1000	0	100	80	120			
Toluene	0.102	0.0150	0.1000	0	102	80	120			
Ethylbenzene	0.104	0.0150	0.1000	0	104	80	120			
Xylenes, Total	0.315	0.0150	0.3000	0	105	80	120			
Surr: Tetrachloroethene	0.186		0.2000		93.1	79	135			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1203281
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: CETAC_HG_120406A

The QC data in batch 51227 applies to the following samples: 1203281-01B, 1203281-02B, 1203281-03B, 1203281-04B, 1203281-05B, 1203281-06B, 1203281-07B, 1203281-08B, 1203281-09B, 1203281-10B, 1203281-11B, 1203281-12B, 1203281-13B, 1203281-14B

Sample ID: MB-51227	Batch ID: 51227	TestNo: SW7471B	Units: mg/Kg							
SampType: MBLK	Run ID: CETAC_HG_120406A	Analysis Date: 4/6/2012 12:10:41 PM	Prep Date: 4/4/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Mercury	ND	0.0400								
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Sample ID: LCS-51227	Batch ID: 51227	TestNo: SW7471B	Units: mg/Kg							
SampType: LCS	Run ID: CETAC_HG_120406A	Analysis Date: 4/6/2012 12:19:42 PM	Prep Date: 4/4/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Mercury	0.228	0.0400	0.2000	0	114	85	115			
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Sample ID: LCSD-51227	Batch ID: 51227	TestNo: SW7471B	Units: mg/Kg							
SampType: LCSD	Run ID: CETAC_HG_120406A	Analysis Date: 4/6/2012 12:21:45 PM	Prep Date: 4/4/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Mercury	0.223	0.0400	0.2000	0	112	85	115	2.22	25	
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Sample ID: 1203282-12C SD	Batch ID: 51227	TestNo: SW7471B	Units: mg/Kg-dry							
SampType: SD	Run ID: CETAC_HG_120406A	Analysis Date: 4/6/2012 12:49:36 PM	Prep Date: 4/4/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Mercury	0	0.185	0	0				0	10	
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Sample ID: 1203282-12C PDS	Batch ID: 51227	TestNo: SW7471B	Units: mg/Kg-dry							
SampType: PDS	Run ID: CETAC_HG_120406A	Analysis Date: 4/6/2012 12:53:48 PM	Prep Date: 4/4/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Mercury	0.252	0.0371	0.2316	0	109	85	115			
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Sample ID: 1203282-12C MS	Batch ID: 51227	TestNo: SW7471B	Units: mg/Kg-dry							
SampType: MS	Run ID: CETAC_HG_120406A	Analysis Date: 4/6/2012 12:55:51 PM	Prep Date: 4/4/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Mercury	0.211	0.0375	0.1876	0	112	80	120			
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Sample ID: 1203282-12C MSD	Batch ID: 51227	TestNo: SW7471B	Units: mg/Kg-dry							
SampType: MSD	Run ID: CETAC_HG_120406A	Analysis Date: 4/6/2012 12:57:54 PM	Prep Date: 4/4/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Mercury	0.205	0.0371	0.1854	0	111	80	120	3.00	25	
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Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

- DF Dilution Factor
- MDL Method Detection Limit
- R RPD outside accepted control limits
- S Spike Recovery outside control limits
- N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1203281
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: CETAC_HG_120406A

Sample ID: ICV-120406	Batch ID: R59930	TestNo: SW7471B	Units: mg/Kg							
SampType: ICV	Run ID: CETAC_HG_120406A	Analysis Date: 4/6/2012 12:06:35 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Mercury	0.00406	0.0400	0.004000	0	102	90	110			
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Sample ID: CCV1-120406	Batch ID: R59930	TestNo: SW7471B	Units: mg/Kg							
SampType: CCV	Run ID: CETAC_HG_120406A	Analysis Date: 4/6/2012 12:45:29 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Mercury	0.00210	0.0400	0.002000	0	105	90	110			
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Sample ID: CCV2-120406	Batch ID: R59930	TestNo: SW7471B	Units: mg/Kg							
SampType: CCV	Run ID: CETAC_HG_120406A	Analysis Date: 4/6/2012 1:12:18 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Mercury	0.00213	0.0400	0.002000	0	106	90	110			
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Sample ID: CCV3-120406	Batch ID: R59930	TestNo: SW7471B	Units: mg/Kg							
SampType: CCV	Run ID: CETAC_HG_120406A	Analysis Date: 4/6/2012 1:40:35 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Mercury	0.00213	0.0400	0.002000	0	106	90	110			
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Qualifiers:	B	Analyte detected in the associated Method Blank	DF	Dilution Factor
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
	RL	Reporting Limit	S	Spike Recovery outside control limits
	J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1203281
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_120411A

Sample ID: ICV1-120411	Batch ID: R59981	TestNo: SW6020	Units: mg/L							
SampType: ICV	Run ID: ICP-MS2_120411A	Analysis Date: 4/11/2012 12:25:00 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Barium	0.102	0.0100	0.100	0	102	90	110			
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Sample ID: CCV1-120411	Batch ID: R59981	TestNo: SW6020	Units: mg/L							
SampType: CCV	Run ID: ICP-MS2_120411A	Analysis Date: 4/11/2012 1:22:00 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Barium	0.198	0.0100	0.200	0	98.9	90	110			
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Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

- DF Dilution Factor
- MDL Method Detection Limit
- R RPD outside accepted control limits
- S Spike Recovery outside control limits
- N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1203281
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3_120409A

The QC data in batch 51209 applies to the following samples: 1203281-01B, 1203281-02B, 1203281-03B, 1203281-04B, 1203281-05B, 1203281-06B, 1203281-07B, 1203281-08B, 1203281-09B, 1203281-10B, 1203281-11B, 1203281-12B, 1203281-13B, 1203281-14B

Sample ID: MB-51209	Batch ID: 51209	TestNo: SW6020	Units: mg/Kg
SampType: MBLK	Run ID: ICP-MS3_120409A	Analysis Date: 4/9/2012 1:03:00 PM	Prep Date: 4/5/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	1.00								
Barium	ND	2.00								
Cadmium	ND	0.300								
Chromium	ND	2.00								
Copper	ND	2.00								
Iron	ND	12.5								
Lead	ND	0.300								
Selenium	ND	0.500								
Silver	ND	0.200								
Zinc	ND	2.50								

Sample ID: LCS-51209	Batch ID: 51209	TestNo: SW6020	Units: mg/Kg
SampType: LCS	Run ID: ICP-MS3_120409A	Analysis Date: 4/9/2012 1:09:00 PM	Prep Date: 4/5/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	48.4	1.00	50.00	0	96.7	80	120			
Barium	50.5	2.00	50.00	0	101	80	120			
Cadmium	49.6	0.300	50.00	0	99.1	80	120			
Chromium	50.1	2.00	50.00	0	100	80	120			
Copper	50.0	2.00	50.00	0	100	80	120			
Iron	271	12.5	250.0	0	108	80	120			
Lead	51.4	0.300	50.00	0	103	80	120			
Selenium	49.7	0.500	50.00	0	99.4	80	120			
Silver	50.9	0.200	50.00	0	102	80	120			
Zinc	49.2	2.50	50.00	0	98.4	80	120			

Sample ID: LCSD-51209	Batch ID: 51209	TestNo: SW6020	Units: mg/Kg
SampType: LCSD	Run ID: ICP-MS3_120409A	Analysis Date: 4/9/2012 1:15:00 PM	Prep Date: 4/5/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	47.5	1.00	50.00	0	95.0	80	120	1.83	20	
Barium	49.8	2.00	50.00	0	99.7	80	120	1.34	20	
Cadmium	48.9	0.300	50.00	0	97.8	80	120	1.32	20	
Chromium	49.6	2.00	50.00	0	99.2	80	120	1.00	20	
Copper	49.4	2.00	50.00	0	98.8	80	120	1.16	20	
Iron	262	12.5	250.0	0	105	80	120	3.57	20	
Lead	51.0	0.300	50.00	0	102	80	120	0.830	20	
Selenium	47.8	0.500	50.00	0	95.6	80	120	3.90	20	
Silver	50.5	0.200	50.00	0	101	80	120	0.888	20	

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Larson & Associates

Work Order: 1203281

Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3_120409A

Sample ID: LCSD-51209	Batch ID: 51209	TestNo: SW6020	Units: mg/Kg
SampType: LCSD	Run ID: ICP-MS3_120409A	Analysis Date: 4/9/2012 1:15:00 PM	Prep Date: 4/5/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Zinc	48.0	2.50	50.00	0	96.0	80	120	2.52	20	

Sample ID: 1203281-01B SD	Batch ID: 51209	TestNo: SW6020	Units: mg/Kg-dry
SampType: SD	Run ID: ICP-MS3_120409A	Analysis Date: 4/9/2012 1:32:00 PM	Prep Date: 4/5/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	2.52	4.90	0	2.353				6.96	10	
Barium	166	9.80	0	169.0				2.02	10	
Cadmium	0	1.47	0	0.1349				0	10	
Chromium	8.80	9.80	0	8.120				8.06	10	
Copper	3.20	9.80	0	2.975				7.30	10	
Lead	4.64	1.47	0	4.623				0.449	10	
Selenium	0	2.45	0	0.5356				0	10	
Silver	0	0.980	0	0				0	10	
Zinc	17.9	12.2	0	16.66				6.90	10	

Sample ID: 1203281-01B PDS	Batch ID: 51209	TestNo: SW6020	Units: mg/Kg-dry
SampType: PDS	Run ID: ICP-MS3_120409A	Analysis Date: 4/9/2012 2:27:00 PM	Prep Date: 4/5/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	48.1	0.980	48.98	2.353	93.5	75	125			
Barium	225	1.96	48.98	169.0	113	75	125			
Cadmium	47.5	0.294	48.98	0.1349	96.7	75	125			
Chromium	53.6	1.96	48.98	8.120	92.8	75	125			
Copper	47.0	1.96	48.98	2.975	89.8	75	125			
Lead	54.9	0.294	48.98	4.623	103	75	125			
Selenium	46.9	0.490	48.98	0.5356	94.7	75	125			
Silver	39.9	0.196	48.98	0	81.5	75	125			
Zinc	60.6	2.45	48.98	16.66	89.7	75	125			

Sample ID: 1203281-01B MS	Batch ID: 51209	TestNo: SW6020	Units: mg/Kg-dry
SampType: MS	Run ID: ICP-MS3_120409A	Analysis Date: 4/9/2012 2:33:00 PM	Prep Date: 4/5/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	48.7	0.970	48.51	2.353	95.5	80	120			
Barium	213	1.94	48.51	169.0	90.9	80	120			
Cadmium	46.7	0.291	48.51	0.1349	96.0	80	120			
Chromium	52.0	1.94	48.51	8.120	90.4	80	120			
Copper	47.3	1.94	48.51	2.975	91.4	80	120			
Iron	6330	12.1	242.5	6144	74.9	80	120			S
Lead	55.0	0.291	48.51	4.623	104	80	120			

Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

- DF Dilution Factor
- MDL Method Detection Limit
- R RPD outside accepted control limits
- S Spike Recovery outside control limits
- N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1203281
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3_120409A

Sample ID: 1203281-01B MS	Batch ID: 51209	TestNo: SW6020	Units: mg/Kg-dry
SampType: MS	Run ID: ICP-MS3_120409A	Analysis Date: 4/9/2012 2:33:00 PM	Prep Date: 4/5/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Selenium	47.2	0.485	48.51	0.5356	96.1	80	120			
Silver	47.3	0.194	48.51	0	97.6	80	120			
Zinc	60.1	2.43	48.51	16.66	89.5	80	120			

Sample ID: 1203281-01B MSD	Batch ID: 51209	TestNo: SW6020	Units: mg/Kg-dry
SampType: MSD	Run ID: ICP-MS3_120409A	Analysis Date: 4/9/2012 2:38:00 PM	Prep Date: 4/5/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	48.9	0.970	48.51	2.353	96.0	80	120	0.497	20	
Barium	210	1.94	48.51	169.0	83.9	80	120	1.62	20	
Cadmium	47.8	0.291	48.51	0.1349	98.2	80	120	2.31	20	
Chromium	52.0	1.94	48.51	8.120	90.4	80	120	0	20	
Copper	47.4	1.94	48.51	2.975	91.6	80	120	0.205	20	
Iron	6470	12.1	242.5	6144	133	80	120	2.20	20	S
Lead	56.1	0.291	48.51	4.623	106	80	120	2.05	20	
Selenium	47.6	0.485	48.51	0.5356	97.1	80	120	0.972	20	
Silver	48.3	0.194	48.51	0	99.6	80	120	2.03	20	
Zinc	60.9	2.43	48.51	16.66	91.1	80	120	1.28	20	

Sample ID: 1203281-01B SD	Batch ID: 51209	TestNo: SW6020	Units: mg/Kg-dry
SampType: SD	Run ID: ICP-MS3_120409A	Analysis Date: 4/9/2012 9:37:00 PM	Prep Date: 4/5/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	6880	612	0	6526				5.33	10	

Sample ID: 1203281-01B PDS	Batch ID: 51209	TestNo: SW6020	Units: mg/Kg-dry
SampType: PDS	Run ID: ICP-MS3_120409A	Analysis Date: 4/9/2012 10:28:00 PM	Prep Date: 4/5/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	18000	122	12240	6526	93.5	75	125			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Larson & Associates**Work Order:** 1203281**Project:** Chevron Landfarm**ANALYTICAL QC SUMMARY REPORT****RunID:** ICP-MS3_120409A

Sample ID: ICV1-120409	Batch ID: R59950	TestNo: SW6020	Units: mg/L
SampType: ICV	Run ID: ICP-MS3_120409A	Analysis Date: 4/9/2012 11:14:00 AM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.0990	0.00600	0.100	0	99.0	90	110			
Barium	0.101	0.0100	0.100	0	101	90	110			
Cadmium	0.100	0.00100	0.100	0	100	90	110			
Chromium	0.104	0.00600	0.100	0	104	90	110			
Copper	0.103	0.0100	0.100	0	103	90	110			
Iron	2.55	0.150	2.50	0	102	90	110			
Lead	0.102	0.00100	0.100	0	102	90	110			
Selenium	0.103	0.00600	0.100	0	103	90	110			
Silver	0.0989	0.00200	0.100	0	98.9	90	110			
Zinc	0.103	0.00500	0.100	0	103	90	110			

Sample ID: CCV1-120409	Batch ID: R59950	TestNo: SW6020	Units: mg/L
SampType: CCV	Run ID: ICP-MS3_120409A	Analysis Date: 4/9/2012 12:35:00 PM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.195	0.00600	0.200	0	97.4	90	110			
Barium	0.188	0.0100	0.200	0	94.2	90	110			
Cadmium	0.186	0.00100	0.200	0	93.2	90	110			
Chromium	0.196	0.00600	0.200	0	97.8	90	110			
Copper	0.197	0.0100	0.200	0	98.3	90	110			
Iron	4.89	0.150	5.00	0	97.7	90	110			
Lead	0.193	0.00100	0.200	0	96.6	90	110			
Selenium	0.206	0.00600	0.200	0	103	90	110			
Silver	0.190	0.00200	0.200	0	94.9	90	110			
Zinc	0.199	0.00500	0.200	0	99.4	90	110			

Sample ID: CCV2-120409	Batch ID: R59950	TestNo: SW6020	Units: mg/L
SampType: CCV	Run ID: ICP-MS3_120409A	Analysis Date: 4/9/2012 2:55:00 PM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.198	0.00600	0.200	0	99.0	90	110			
Barium	0.197	0.0100	0.200	0	98.7	90	110			
Cadmium	0.197	0.00100	0.200	0	98.5	90	110			
Chromium	0.190	0.00600	0.200	0	95.1	90	110			
Copper	0.192	0.0100	0.200	0	95.9	90	110			
Iron	4.86	0.150	5.00	0	97.1	90	110			
Lead	0.202	0.00100	0.200	0	101	90	110			
Selenium	0.212	0.00600	0.200	0	106	90	110			
Silver	0.198	0.00200	0.200	0	98.8	90	110			
Zinc	0.198	0.00500	0.200	0	99.2	90	110			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1203281
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3_120409A

Sample ID: CCV3-120409	Batch ID: R59950	TestNo: SW6020	Units: mg/L
SampType: CCV	Run ID: ICP-MS3_120409A	Analysis Date: 4/9/2012 4:19:00 PM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.197	0.00600	0.200	0	98.4	90	110			
Barium	0.192	0.0100	0.200	0	96.2	90	110			
Cadmium	0.194	0.00100	0.200	0	97.0	90	110			
Chromium	0.194	0.00600	0.200	0	97.0	90	110			
Copper	0.197	0.0100	0.200	0	98.4	90	110			
Iron	4.87	0.150	5.00	0	97.4	90	110			
Lead	0.200	0.00100	0.200	0	99.9	90	110			
Selenium	0.208	0.00600	0.200	0	104	90	110			
Silver	0.194	0.00200	0.200	0	97.2	90	110			
Zinc	0.199	0.00500	0.200	0	99.4	90	110			

Sample ID: CCV5-120409	Batch ID: R59950	TestNo: SW6020	Units: mg/L
SampType: CCV	Run ID: ICP-MS3_120409A	Analysis Date: 4/9/2012 8:46:00 PM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	4.75	0.150	5.00	0	95.1	90	110			

Sample ID: CCV6-120409	Batch ID: R59950	TestNo: SW6020	Units: mg/L
SampType: CCV	Run ID: ICP-MS3_120409A	Analysis Date: 4/9/2012 10:33:00 PM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	4.82	0.150	5.00	0	96.4	90	110			

Sample ID: CCV7-120409	Batch ID: R59950	TestNo: SW6020	Units: mg/L
SampType: CCV	Run ID: ICP-MS3_120409A	Analysis Date: 4/10/2012 12:37:00 AM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	4.75	0.150	5.00	0	95.1	90	110			

Qualifiers: B Analyte detected in the associated Method Blank J Analyte detected between MDL and RL ND Not Detected at the Method Detection Limit RL Reporting Limit J Analyte detected between SDL and RL	DF Dilution Factor MDL Method Detection Limit R RPD outside accepted control limits S Spike Recovery outside control limits N Parameter not NELAC certified
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CLIENT: Larson & Associates
Work Order: 1203281
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: IC_120402A

The QC data in batch 51191 applies to the following samples: 1203281-01C, 1203281-02C, 1203281-03C, 1203281-04C, 1203281-05C, 1203281-06C, 1203281-07C, 1203281-08C, 1203281-09C, 1203281-10C, 1203281-11C, 1203281-12C, 1203281-13C, 1203281-14C

Sample ID: LCS-51191	Batch ID: 51191	TestNo: E300	Units: mg/Kg
SampType: LCS	Run ID: IC_120402A	Analysis Date: 4/2/2012 8:58:07 AM	Prep Date: 3/30/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	50.4	5.00	50.00	0	101	80	120			

Sample ID: LCSD-51191	Batch ID: 51191	TestNo: E300	Units: mg/Kg
SampType: LCSD	Run ID: IC_120402A	Analysis Date: 4/2/2012 9:09:44 AM	Prep Date: 3/30/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	50.5	5.00	50.00	0	101	80	120	0.138	20	

Sample ID: MB-51191	Batch ID: 51191	TestNo: E300	Units: mg/Kg
SampType: MBLK	Run ID: IC_120402A	Analysis Date: 4/2/2012 9:32:57 AM	Prep Date: 3/30/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	5.00								

Sample ID: 1203281-01C MS	Batch ID: 51191	TestNo: E300	Units: mg/Kg-dry
SampType: MS	Run ID: IC_120402A	Analysis Date: 4/2/2012 10:30:59 AM	Prep Date: 3/30/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	60.6	5.07	50.73	8.461	103	80	120			

Sample ID: 1203281-01C MSD	Batch ID: 51191	TestNo: E300	Units: mg/Kg-dry
SampType: MSD	Run ID: IC_120402A	Analysis Date: 4/2/2012 10:42:35 AM	Prep Date: 3/30/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	60.5	5.07	50.73	8.461	103	80	120	0.238	20	

Sample ID: 1203281-14C MS	Batch ID: 51191	TestNo: E300	Units: mg/Kg-dry
SampType: MS	Run ID: IC_120402A	Analysis Date: 4/2/2012 1:37:54 PM	Prep Date: 3/30/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	52.7	5.18	51.80	0	102	80	120			

Sample ID: 1203281-14C MSD	Batch ID: 51191	TestNo: E300	Units: mg/Kg-dry
SampType: MSD	Run ID: IC_120402A	Analysis Date: 4/2/2012 1:49:30 PM	Prep Date: 3/30/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	52.8	5.18	51.80	0	102	80	120	0.173	20	

Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

- DF Dilution Factor
- MDL Method Detection Limit
- R RPD outside accepted control limits
- S Spike Recovery outside control limits
- N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1203281
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: IC_120402A

Sample ID: ICV-120402	Batch ID: R59833	TestNo: E300	Units: mg/Kg							
SampType: ICV	Run ID: IC_120402A	Analysis Date: 4/2/2012 8:44:12 AM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Chloride	26.1	5.00	25.00	0	104	90	110			
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Sample ID: CCV1-120402	Batch ID: R59833	TestNo: E300	Units: mg/Kg							
SampType: CCV	Run ID: IC_120402A	Analysis Date: 4/2/2012 10:54:11 AM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Chloride	10.1	5.00	10.00	0	101	90	110			
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Sample ID: CCV2-120402	Batch ID: R59833	TestNo: E300	Units: mg/Kg							
SampType: CCV	Run ID: IC_120402A	Analysis Date: 4/2/2012 1:04:56 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Chloride	10.1	5.00	10.00	0	101	90	110			
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Sample ID: CCV3-120402	Batch ID: R59833	TestNo: E300	Units: mg/Kg							
SampType: CCV	Run ID: IC_120402A	Analysis Date: 4/2/2012 3:39:30 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Chloride	10.1	5.00	10.00	0	101	90	110			
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Qualifiers:

B	Analyte detected in the associated Method Blank
J	Analyte detected between MDL and RL
ND	Not Detected at the Method Detection Limit
RL	Reporting Limit
J	Analyte detected between SDL and RL

DF	Dilution Factor
MDL	Method Detection Limit
R	RPD outside accepted control limits
S	Spike Recovery outside control limits
N	Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1203281
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: IR207_120403A

Sample ID: ICV-120403	Batch ID: 418_S-04/03/2012	TestNo: E418.1	Units: mg/Kg
SampType: ICV	Run ID: IR207_120403A	Analysis Date: 4/3/2012 10:40:00 AM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	262	10.0	250.0	0	105	90	110			N

Sample ID: CCV1-120403	Batch ID: 418_S-04/03/2012	TestNo: E418.1	Units: mg/Kg
SampType: CCV	Run ID: IR207_120403A	Analysis Date: 4/3/2012 10:40:00 AM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	264	10.0	250.0	0	106	85	115			N

Sample ID: CCV2-120403	Batch ID: 418_S-04/03/2012	TestNo: E418.1	Units: mg/Kg
SampType: CCV	Run ID: IR207_120403A	Analysis Date: 4/3/2012 10:40:00 AM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	266	10.0	250.0	0	106	85	115			N

Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

- DF Dilution Factor
- MDL Method Detection Limit
- R RPD outside accepted control limits
- S Spike Recovery outside control limits
- N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1203281
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: IR207_120403A

The QC data in batch 51221 applies to the following samples: 1203281-01A, 1203281-02A, 1203281-03A, 1203281-04A, 1203281-05A, 1203281-06A, 1203281-07A, 1203281-08A, 1203281-09A, 1203281-10A, 1203281-11A, 1203281-12A, 1203281-13A, 1203281-14A

Sample ID: LCS-51221	Batch ID: 51221	TestNo: E418.1	Units: mg/Kg
SampType: LCS	Run ID: IR207_120403A	Analysis Date: 4/3/2012 10:40:00 AM	Prep Date: 4/3/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	90.0	10.0	100.0	0	90.0	80	120			N

Sample ID: MB-51221	Batch ID: 51221	TestNo: E418.1	Units: mg/Kg
SampType: MBLK	Run ID: IR207_120403A	Analysis Date: 4/3/2012 10:40:00 AM	Prep Date: 4/3/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	ND	10.0								N

Sample ID: 1203281-01A MS	Batch ID: 51221	TestNo: E418.1	Units: mg/Kg-dry
SampType: MS	Run ID: IR207_120403A	Analysis Date: 4/3/2012 10:40:00 AM	Prep Date: 4/3/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	302	10.1	101.2	209.1	92.1	80	120			N

Sample ID: 1203281-01A MSD	Batch ID: 51221	TestNo: E418.1	Units: mg/Kg-dry
SampType: MSD	Run ID: IR207_120403A	Analysis Date: 4/3/2012 10:40:00 AM	Prep Date: 4/3/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	302	10.1	100.6	209.1	92.1	80	120	0.177	20	N

Qualifiers:	B Analyte detected in the associated Method Blank	DF Dilution Factor
	J Analyte detected between MDL and RL	MDL Method Detection Limit
	ND Not Detected at the Method Detection Limit	R RPD outside accepted control limits
	RL Reporting Limit	S Spike Recovery outside control limits
	J Analyte detected between SDL and RL	N Parameter not NELAC certified

CLIENT: Larson & Associates

Work Order: 1203281

Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: PMOIST_120406A

The QC data in batch 51297 applies to the following samples: 1203281-01B, 1203281-02B, 1203281-03B, 1203281-04B, 1203281-05B, 1203281-06B, 1203281-07B, 1203281-08B, 1203281-09B, 1203281-10B, 1203281-11B, 1203281-12B, 1203281-13B, 1203281-14B

Sample ID: 1203282-06CDUP	Batch ID: 51297	TestNo: D2216	Units: WT%							
SampType: DUP	Run ID: PMOIST_120406A	Analysis Date: 4/9/2012 8:38:00 AM	Prep Date: 4/6/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Percent Moisture	1.59	0	0	1.680				5.50	30	

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

Page 22 of 22



October 11, 2012

Mark Larson
Larson & Associates
507 N. Marienfeld #200
Midland, TX 79701

TEL: (432) 687-0901

FAX (432) 687-0456

RE: Chevron Landfarm

Order No.: 1210021

Dear Mark Larson:

DHL Analytical, Inc. received 14 sample(s) on 10/3/2012 for the analyses presented in the following report.

There were no problems with the analyses and all data met requirements of NELAC except where noted in the Case Narrative. All non-NELAC methods will be identified accordingly in the case narrative and all estimated uncertainties of test results are within method or EPA specifications.

If you have any questions regarding these tests results, please feel free to call. Thank you for using DHL Analytical.

Sincerely,

John DuPont
General Manager

This report was performed under the accreditation of the State of Texas Laboratory Certification
Number: T104704211-12-8



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2300 Double-Creek Dr. ■ Round Rock, TX 78664
Phone (512) 388-8222 ■ FAX (512) 388-8229
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No 56202
CHAIN-OF-CUSTODY

CLIENT: LHI (Larson & Associates)
ADDRESS: 507 N. Mainfield Suite 200
PHONE: 432-687-0901 FAX/E-MAIL: curt@laenvironmental.com
DATA REPORTED TO: Loty Woolf
ADDITIONAL REPORT COPIES TO:

DATE: 9-27-12 PAGE 1 OF 1
PO #: _____ DHL WORK ORDER #: 1210021
PROJECT LOCATION OR NAME: Chevron Landfarm
CLIENT PROJECT #: 6-0137 COLLECTOR: cm

Field Sample I.D.	DHL Lab #	Date	Time	Matrix	Container Type	# of Containers	PRESERVATION					ANALYSES															FIELD NOTES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
							HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	UNPRESERVED	BTX 8-MTBE	TPH 1005	TPH 1006	HOLD 1006	GRO METHOD 8015	VOC 8240	VOC 8241	VOC 8242	VOC 8243	VOC 8244	VOC 8245	VOC 8246	VOC 8247	VOC 8248		VOC 8249	VOC 8250	VOC 8251	VOC 8252	VOC 8253	VOC 8254	VOC 8255	VOC 8256	VOC 8257	VOC 8258	VOC 8259	VOC 8260	VOC 8261	VOC 8262	VOC 8263	VOC 8264	VOC 8265	VOC 8266	VOC 8267	VOC 8268	VOC 8269	VOC 8270	VOC 8271	VOC 8272	VOC 8273	VOC 8274	VOC 8275	VOC 8276	VOC 8277	VOC 8278	VOC 8279	VOC 8280	VOC 8281	VOC 8282	VOC 8283	VOC 8284	VOC 8285	VOC 8286	VOC 8287	VOC 8288	VOC 8289	VOC 8290	VOC 8291	VOC 8292	VOC 8293	VOC 8294	VOC 8295	VOC 8296	VOC 8297	VOC 8298	VOC 8299	VOC 8300	VOC 8301	VOC 8302	VOC 8303	VOC 8304	VOC 8305	VOC 8306	VOC 8307	VOC 8308	VOC 8309	VOC 8310	VOC 8311	VOC 8312	VOC 8313	VOC 8314	VOC 8315	VOC 8316	VOC 8317	VOC 8318	VOC 8319	VOC 8320	VOC 8321	VOC 8322	VOC 8323	VOC 8324	VOC 8325	VOC 8326	VOC 8327	VOC 8328	VOC 8329	VOC 8330	VOC 8331	VOC 8332	VOC 8333	VOC 8334	VOC 8335	VOC 8336	VOC 8337	VOC 8338	VOC 8339	VOC 8340	VOC 8341	VOC 8342	VOC 8343	VOC 8344	VOC 8345	VOC 8346	VOC 8347	VOC 8348	VOC 8349	VOC 8350	VOC 8351	VOC 8352	VOC 8353	VOC 8354	VOC 8355	VOC 8356	VOC 8357	VOC 8358	VOC 8359	VOC 8360	VOC 8361	VOC 8362	VOC 8363	VOC 8364	VOC 8365	VOC 8366	VOC 8367	VOC 8368	VOC 8369	VOC 8370	VOC 8371	VOC 8372	VOC 8373	VOC 8374	VOC 8375	VOC 8376	VOC 8377	VOC 8378	VOC 8379	VOC 8380	VOC 8381	VOC 8382	VOC 8383	VOC 8384	VOC 8385	VOC 8386	VOC 8387	VOC 8388	VOC 8389	VOC 8390	VOC 8391	VOC 8392	VOC 8393	VOC 8394	VOC 8395	VOC 8396	VOC 8397	VOC 8398	VOC 8399	VOC 8400	VOC 8401	VOC 8402	VOC 8403	VOC 8404	VOC 8405	VOC 8406	VOC 8407	VOC 8408	VOC 8409	VOC 8410	VOC 8411	VOC 8412	VOC 8413	VOC 8414	VOC 8415	VOC 8416	VOC 8417	VOC 8418	VOC 8419	VOC 8420	VOC 8421	VOC 8422	VOC 8423	VOC 8424	VOC 8425	VOC 8426	VOC 8427	VOC 8428	VOC 8429	VOC 8430	VOC 8431	VOC 8432	VOC 8433	VOC 8434	VOC 8435	VOC 8436	VOC 8437	VOC 8438	VOC 8439	VOC 8440	VOC 8441	VOC 8442	VOC 8443	VOC 8444	VOC 8445	VOC 8446	VOC 8447	VOC 8448	VOC 8449	VOC 8450	VOC 8451	VOC 8452	VOC 8453	VOC 8454	VOC 8455	VOC 8456	VOC 8457	VOC 8458	VOC 8459	VOC 8460	VOC 8461	VOC 8462	VOC 8463	VOC 8464	VOC 8465	VOC 8466	VOC 8467	VOC 8468	VOC 8469	VOC 8470	VOC 8471	VOC 8472	VOC 8473	VOC 8474	VOC 8475	VOC 8476	VOC 8477	VOC 8478	VOC 8479	VOC 8480	VOC 8481	VOC 8482	VOC 8483	VOC 8484	VOC 8485	VOC 8486	VOC 8487	VOC 8488	VOC 8489	VOC 8490	VOC 8491	VOC 8492	VOC 8493	VOC 8494	VOC 8495	VOC 8496	VOC 8497	VOC 8498	VOC 8499	VOC 8500	VOC 8501	VOC 8502	VOC 8503	VOC 8504	VOC 8505	VOC 8506	VOC 8507	VOC 8508	VOC 8509	VOC 8510	VOC 8511	VOC 8512	VOC 8513	VOC 8514	VOC 8515	VOC 8516	VOC 8517	VOC 8518	VOC 8519	VOC 8520	VOC 8521	VOC 8522	VOC 8523	VOC 8524	VOC 8525	VOC 8526	VOC 8527	VOC 8528	VOC 8529	VOC 8530	VOC 8531	VOC 8532	VOC 8533	VOC 8534	VOC 8535	VOC 8536	VOC 8537	VOC 8538	VOC 8539	VOC 8540	VOC 8541	VOC 8542	VOC 8543	VOC 8544	VOC 8545	VOC 8546	VOC 8547	VOC 8548	VOC 8549	VOC 8550	VOC 8551	VOC 8552	VOC 8553	VOC 8554	VOC 8555	VOC 8556	VOC 8557	VOC 8558	VOC 8559	VOC 8560	VOC 8561	VOC 8562	VOC 8563	VOC 8564	VOC 8565	VOC 8566	VOC 8567	VOC 8568	VOC 8569	VOC 8570	VOC 8571	VOC 8572	VOC 8573	VOC 8574	VOC 8575	VOC 8576	VOC 8577	VOC 8578	VOC 8579	VOC 8580	VOC 8581	VOC 8582	VOC 8583	VOC 8584	VOC 8585	VOC 8586	VOC 8587	VOC 8588	VOC 8589	VOC 8590	VOC 8591	VOC 8592	VOC 8593	VOC 8594	VOC 8595	VOC 8596	VOC 8597	VOC 8598	VOC 8599	VOC 8600	VOC 8601	VOC 8602	VOC 8603	VOC 8604	VOC 8605	VOC 8606	VOC 8607	VOC 8608	VOC 8609	VOC 8610	VOC 8611	VOC 8612	VOC 8613	VOC 8614	VOC 8615	VOC 8616	VOC 8617	VOC 8618	VOC 8619	VOC 8620	VOC 8621	VOC 8622	VOC 8623	VOC 8624	VOC 8625	VOC 8626	VOC 8627	VOC 8628	VOC 8629	VOC 8630	VOC 8631	VOC 8632	VOC 8633	VOC 8634	VOC 8635	VOC 8636	VOC 8637	VOC 8638	VOC 8639	VOC 8640	VOC 8641	VOC 8642	VOC 8643	VOC 8644	VOC 8645	VOC 8646	VOC 8647	VOC 8648	VOC 8649	VOC 8650	VOC 8651	VOC 8652	VOC 8653	VOC 8654	VOC 8655	VOC 8656	VOC 8657	VOC 8658	VOC 8659	VOC 8660	VOC 8661	VOC 8662	VOC 8663	VOC 8664	VOC 8665	VOC 8666	VOC 8667	VOC 8668	VOC 8669	VOC 8670	VOC 8671	VOC 8672	VOC 8673	VOC 8674	VOC 8675	VOC 8676	VOC 8677	VOC 8678	VOC 8679	VOC 8680	VOC 8681	VOC 8682	VOC 8683	VOC 8684	VOC 8685	VOC 8686	VOC 8687	VOC 8688	VOC 8689	VOC 8690	VOC 8691	VOC 8692	VOC 8693	VOC 8694	VOC 8695	VOC 8696	VOC 8697	VOC 8698	VOC 8699	VOC 8700	VOC 8701	VOC 8702	VOC 8703	VOC 8704	VOC 8705	VOC 8706	VOC 8707	VOC 8708	VOC 8709	VOC 8710	VOC 8711	VOC 8712	VOC 8713	VOC 8714	VOC 8715	VOC 8716	VOC 8717	VOC 8718	VOC 8719	VOC 8720	VOC 8721	VOC 8722	VOC 8723	VOC 8724	VOC 8725	VOC 8726	VOC 8727	VOC 8728	VOC 8729	VOC 8730	VOC 8731	VOC 8732	VOC 8733	VOC 8734	VOC 8735	VOC 8736	VOC 8737	VOC 8738	VOC 8739	VOC 8740	VOC 8741	VOC 8742	VOC 8743	VOC 8744	VOC 8745	VOC 8746	VOC 8747	VOC 8748	VOC 8749	VOC 8750	VOC 8751	VOC 8752	VOC 8753	VOC 8754	VOC 8755	VOC 8756	VOC 8757	VOC 8758	VOC 8759	VOC 8760	VOC 8761	VOC 8762	VOC 8763	VOC 8764	VOC 8765	VOC 8766	VOC 8767	VOC 8768	VOC 8769	VOC 8770	VOC 8771	VOC 8772	VOC 8773	VOC 8774	VOC 8775	VOC 8776	VOC 8777	VOC 8778	VOC 8779	VOC 8780	VOC 8781	VOC 8782	VOC 8783	VOC 8784	VOC 8785	VOC 8786	VOC 8787	VOC 8788	VOC 8789	VOC 8790	VOC 8791	VOC 8792	VOC 8793	VOC 8794	VOC 8795	VOC 8796	VOC 8797	VOC 8798	VOC 8799	VOC 8800	VOC 8801	VOC 8802	VOC 8803	VOC 8804	VOC 8805	VOC 8806	VOC 8807	VOC 8808	VOC 8809	VOC 8810	VOC 8811	VOC 8812	VOC 8813	VOC 8814	VOC 8815	VOC 8816	VOC 8817	VOC 8818	VOC 8819	VOC 8820	VOC 8821	VOC 8822	VOC 8823	VOC 8824	VOC 8825	VOC 8826	VOC 8827	VOC 8828	VOC 8829	VOC 8830	VOC 8831	VOC 8832	VOC 8833	VOC 8834	VOC 8835	VOC 8836	VOC 8837	VOC 8838	VOC 8839	VOC 8840	VOC 8841	VOC 8842	VOC 8843	VOC 8844	VOC 8845	VOC 8846	VOC 8847	VOC 8848	VOC 8849	VOC 8850	VOC 8851	VOC 8852	VOC 8853	VOC 8854	VOC 8855	VOC 8856	VOC 8857	VOC 8858	VOC 8859	VOC 8860	VOC 8861	VOC 8862	VOC 8863	VOC 8864	VOC 8865	VOC 8866	VOC 8867	VOC 8868	VOC 8869	VOC 8870	VOC 8871	VOC 8872	VOC 8873	VOC 8874	VOC 8875	VOC 8876	VOC 8877	VOC 8878	VOC 8879	VOC 8880	VOC 8881	VOC 8882	VOC 8883	VOC 8884	VOC 8885	VOC 8886	VOC 8887	VOC 8888	VOC 8889	VOC 8890	VOC 8891	VOC 8892	VOC 8893	VOC 8894	VOC 8895	VOC 8896	VOC 8897	VOC 8898	VOC 8899	VOC 8900	VOC 8901	VOC 8902	VOC 8903	VOC 8904	VOC 8905	VOC 8906	VOC 8907	VOC 8908	VOC 8909	VOC 8910	VOC 8911	VOC 8912	VOC 8913	VOC 8914	VOC 8915	VOC 8916	VOC 8917	VOC 8918	VOC 8919	VOC 8920	VOC 8921	VOC 8922	VOC 8923	VOC 8924	VOC 8925	VOC 8926	VOC 8927	VOC 8928	VOC 8929	VOC 8930	VOC 8931	VOC 8932	VOC 8933	VOC 8934	VOC 8935	VOC 8936	VOC 8937	VOC 8938	VOC 8939	VOC 8940	VOC 8941	VOC 8942	VOC 8943	VOC 8944	VOC 8945	VOC 8946	VOC 8947	VOC 8948	VOC 8949	VOC 8950	VOC 8951	VOC 8952	VOC 8953	VOC 8954	VOC 8955	VOC 8956	VOC 8957	VOC 8958	VOC 8959	VOC 8960	VOC 8961	VOC 8962	VOC 8963	VOC 8964	VOC 8965	VOC 8966	VOC 8967	VOC 8968	VOC 8969	VOC 8970	VOC 8971	VOC 8972	VOC 8973	VOC 8974	VOC 8975	VOC 8976	VOC 8977	VOC 8978	VOC 8979	VOC 8980	VOC 8981	VOC 8982	VOC 8983	VOC 8984	VOC 8985	VOC 8986	VOC 8987	VOC 8988	VOC 8989	VOC 8990	VOC 8991	VOC 8992	VOC 8993	VOC 8994	VOC 8995	VOC 8996	VOC 8997	VOC 8998	VOC 8999	VOC 9000	VOC 9001	VOC 9002	VOC 9003	VOC 9004	VOC 9005	VOC 9006	VOC 9007	VOC 9008	VOC 9009	VOC 9010	VOC 9011	VOC 9012	VOC 9013	VOC 9014	VOC 9015	VOC 9016	VOC 9017	VOC 9018	VOC 9019	VOC 9020	VOC 9021	VOC 9022	VOC 9023	VOC 9024	VOC 9025	VOC 9026	VOC 9027	VOC 9028	VOC 9029	VOC 9030	VOC 9031	VOC 9032	VOC 9033	VOC 9034	VOC 9035	VOC 9036	VOC 9037	VOC 9038	VOC 9039	VOC 9040	VOC 9041	VOC 9042	VOC 9043	VOC 9044	VOC 9045	VOC 9046	VOC 9047	VOC 9048	VOC 9049	VOC 9050	VOC 9051	VOC 9052	VOC 9053	VOC 9054	VOC 9055	VOC 9056	VOC 9057	VOC 9058	VOC 9059	VOC 9060	VOC 9061	VOC 9062	VOC 9063	VOC 9064	VOC 9065	VOC 9066	VOC 9067	VOC 9068	VOC 9069	VOC 9070	VOC 9071	VOC 9072	VOC 9073	VOC 9074	VOC 9075	VOC 9076	VOC 9077	VOC 9078	VOC 9079	VOC 9080	VOC 9081	VOC 9082	VOC 9083	VOC 9084	VOC 9085	VOC 9086	VOC 9087	VOC 9088	VOC 9089	VOC 9090	VOC 9091	VOC 9092	VOC 9093	VOC 9094	VOC 9095	VOC 9096	VOC 9097	VOC 9098	VOC 9099	VOC 9100	VOC 9101	VOC 9102	VOC 9103	VOC 9104	VOC 9105	VOC 9106	VOC 9107	VOC 9108	VOC 9109	VOC 9110	VOC 9111	VOC 9112	VOC 9113	VOC 9114	VOC 9115	VOC 9116	VOC 9117	VOC 9118	VOC 9119	VOC 9120	VOC 9121	VOC 9122	VOC 9123	VOC 9124	VOC 9125	VOC 9126	VOC 9127	VOC 9128	VOC 9129	VOC 9130	VOC 9131	VOC 9132	VOC 9133	VOC 9134	VOC 9135	VOC 9136	VOC 9137	VOC 9138	VOC 9139	VOC 9140	VOC 9141	VOC 9142	VOC 9143	VOC 9144	VOC 9145	VOC 9146	VOC 9147	VOC 9148	VOC 9149	VOC 9150	VOC 9151	VOC 9152	VOC 9153	VOC 9154	VOC 9155	VOC 9156	VOC 9157	VOC 9158	VOC 9159	VOC 9160	VOC 9161	VOC 9162	VOC 9163	VOC 9164	VOC 9165	VOC 9166	VOC 9167	VOC 9168	VOC 9169	VOC 9170	VOC 9171	VOC 9172	VOC 9173	VOC 9174	VOC 9175	VOC 9176	VOC 9177	VOC 9178	VOC 9179	VOC 9180	VOC 9181	VOC 9182	VOC 9183	VOC 9184	VOC 9185	VOC 9186	VOC 9187	VOC 9188	VOC 9189	VOC 9190	VOC 9191	VOC 9192	VOC 9193	VOC 9194	VOC 9195	VOC 9196	VOC 9197	VOC 9198	VOC 9199	VOC 9200	VOC 9201	VOC 9202	VOC 9203	VOC 9204	VOC 9205	VOC 9206	VOC 9207	VOC 9208	VOC 9209	VOC 9210	VOC 9211	VOC 9212	VOC 9213	VOC 9214	VOC 9215	VOC 9216	VOC 9217	VOC 9218	VOC 9219	VOC 9220	VOC 9221	VOC 9222	VOC 9223	VOC 9224	VOC 9225	VOC 9226	VOC 9227	VOC 9228	VOC 9229	VOC 9230	VOC 9231	VOC 9232	VOC 9233	VOC 9234	VOC 9235	VOC 9236	VOC 9237	VOC 9238	VOC 9239	VOC 9240	VOC 9241	VOC 9242	VOC 9243	VOC 9244	VOC 9245	VOC 9246	VOC 9247	VOC 9248	VOC 9249	VOC 9250	VOC 9251	VOC 9252	VOC 9253	VOC 9254	VOC 9255	VOC 9256	VOC 9257	VOC 9258	VOC 9259	VOC 9260	VOC 9261	VOC 9262	VOC 9263	VOC 9264	VOC 9265	VOC 9266	VOC 9267	VOC 9268	VOC 9269	VOC 9270	VOC 9271	VOC 9272	VOC 9273	VOC 9274	VOC 9275	VOC 9276	VOC 9277	VOC 9278	VOC 9279	VOC 9280	VOC 9281	VOC 9282	VOC 9283



WWW.LSO.COM
Questions? Call 800-800-8984

Airbill No. 47376905



47376905

1. To: Print Name (Person) <i>Sam Ho</i> Phone (Important) <i>800-800-8984</i>		2. From: Print Name (Person) <i>LARSON & ASSOCIATES</i> Phone (Important) <i>432-687-0901</i>	
Company Name <i>OHL Amulocal</i>		Company Name <i>LARSON & ASSOCIATES</i>	
Street Address (No P.O. Box or P.O. Box Zip Code Deliveries) <i>6700 E. 10th Creek Drive</i>		Street Address <i>607 NORTH MARIENFELD</i>	
Suite / Floor <i>200</i>		Suite / Floor <i>200</i>	
City <i>Koundak TX</i> State <i>TX</i> Zip <i>79701</i>		City <i>ATLANTA</i> State <i>TX</i> Zip <i>79701</i>	
3. Service: Visit www.lso.com for availability of services to your destination and enjoy added features by creating your shipping label online. ☒ By 10:30 am Delivery Check availability at www.lso.com ☐ By 8:30 am Delivery (Extra charge, no signature obtained) Check availability at www.lso.com ☐ By 3:00 pm Delivery ☐ Ground (next day to most cities) Assumed 10:30 a.m. service unless otherwise noted ☐ Deliver Without Delivery Signature (See Limits of Liability below) Release Signature _____ L _____ x W _____ x H _____		4. Package: Weight <i>50</i> Your Company's Billing Reference Information <i>0-0137</i> Ship Date: (mm/dd/yy) <i>9/5/12</i> 5. Payment: _____	
		FOR COURIER USE ONLY Courier Number _____ ☐ Check here if LSO Supplies are used with Ground Service. Pick-up Location _____ Date: _____ Time: _____ City Code: _____	

LIMIT OF LIABILITY: We are not responsible for claims in excess of \$100 for loss or damage unless you: 1) declare a greater value (not to exceed \$5000); 2) pay an additional fee; 3) and document your actual loss in a timely manner. We will not pay any claim in excess of the actual loss. We are not liable for any special or consequential damages. Additional limitations of liability are contained in our current Service Guide. If you ask us to deliver a package without obtaining a delivery signature, you release us of all liability for claims resulting from such service. NO DELIVERY SIGNATURE WILL BE OBTAINED FOR 08:30 AM DELIVERIES. PRIORITY SERVICE PACKAGING PROVIDED BY LSO IS NOT INTENDED FOR USE ON GROUND SERVICE. OVERSIZE RATES MAY APPLY. DELIVERY COMMITMENTS MAY VARY. ADDITIONAL FEES MAY APPLY.

CUSTODY SEAL

DATE *9-27-12*

SIGNATURE *[Signature]*

QEC

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



WWW.LSO.COM
Questions? Call 800-800-8984



Airbill No. 47376906

47376906

1. To: Print Name (Person) <u>Scienc/Kc Koculsky</u> Phone (Important) <u>358-2022</u>		2. From: Print Name (Person) _____ Phone (Important) <u>432-687-0901</u>	
Company Name <u>PHL Analytical</u>		Company Name <u>ARSON & ASSOCIATES</u>	
Street Address (No P.O. Box or P.O. Box Zip Code Deliveries) <u>2300 North Creek Dr.</u>		Street Address <u>507 NORTH MARIENFELD</u>	
Suite / Floor _____		Suite / Floor _____	
City <u>Round Rock</u> State <u>TX</u> Zip _____		City <u>MIDLAND</u> State <u>TX</u> Zip <u>79701</u>	
3. Service: Visit www.lso.com for availability of services to your destination and enjoy added features by creating your shipping label online.		4. Package: Weight: <u>50</u> Your Company's Billing Reference Information <u>6-0108</u>	
☒ By 10:30 am Delivery Check availability at www.lso.com		FOR COURIER USE ONLY Courier Number _____ ☐ Check here if LSO Supplies are used with Ground Service. Pick-up Location _____ City Code: _____	
☐ By 8:30 am Delivery (Extra charge, no signature obtained) Check availability at www.lso.com			
☐ By 3:00 pm Delivery			
☐ Ground (next day to most cities)			
☐ Saturday Delivery (Extra charge, not available on Ground) Check availability at www.lso.com			
☐ Other _____			
☐ Deliver Without Delivery Signature (See Limits of Liability below)			
Release Signature _____			
L _____ x W _____ x H _____			

LIMIT OF LIABILITY: We are not responsible for claims in excess of \$100 for any reason unless you: 1) declare a greater value (not to exceed \$25,000); 2) pay an additional fee; 3) and document your actual loss in a timely manner. We will not pay any claim in excess of the actual loss. We are not liable for any special or consequential damages. Additional limitations of liability are contained in our current Service Guide. If you ask us to deliver a package without obtaining a delivery signature, you release us of all liability for claims resulting from such service. NO DELIVERY SIGNATURE WILL BE OBTAINED FOR 08:30 AM DELIVERIES. PRIORITY SERVICE PACKAGING PROVIDED BY LSO IS NOT INTENDED FOR USE ON GROUND SERVICE. OVSZIE BATES MAY APPLY. DELIVERY COMMITMENTS MAY VARY. ADDITIONAL FEES MAY APPLY.

CUSTODY SEAL

DATE

SIGNATURE

QEC

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

DHL Analytical, Inc.

Sample Receipt Checklist

Client Name **Larson & Associates**

Date Received: **10/3/2012**

Work Order Number **1210021**

Received by **JB**

Checklist completed by: *J. Bank* **10/3/2012**
Signature Date

Reviewed by *SS* **10/3/2012**
Initials Date

Carrier name: LoneStar

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	9.4 °C, 124°
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☒
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☒

Adjusted? _____ Checked by _____

Any No response must be detailed in the comments section below.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

DHL Analytical, Inc.**Date:** 11-Oct-12

CLIENT: Larson & Associates
Project: Chevron Landfarm
Lab Order: 1210021

CASE NARRATIVE

Sample was analyzed using the methods outlined in the following references:

Method SW6020A - Metals Analysis
Method SW7471B - Mercury Analysis
Method SW8021B - Volatile Organics by GC
Method M8015D - DRO Analysis
Method M8015V - GRO Analysis
Method E300 - Anions Analysis
Method TRPH - Total Recoverable Petroleum Hydrocarbons (this parameter is not NELAC certified)
Method D2216 - Percent Moisture

LOG IN

The samples were received and log-in performed on 10/3/12. A total of 14 samples were received. The time of collection was Mountain Standard Time. The samples arrived in good condition and were properly packaged.

DRO ANALYSIS

For DRO analysis performed on 10/9/12 the surrogate recoveries for a few samples were above control limits for Octacosane. These are flagged accordingly. The remaining surrogate was within control limits. No further corrective actions were taken.

METALS ANALYSIS

For Metals analysis performed on 10/8/12 the matrix spike recovery was above control limits for Iron. This is flagged accordingly in the QC summary report. The sample selected for the matrix spike and matrix spike duplicate was from this work order. The LCS was within control limits for this analyte. No further corrective actions were taken.

For Metals analysis performed on 10/8/12 the PDS recovery was below control limits for Silver. This is flagged accordingly. The serial dilution was within control limits for this analyte. No further corrective actions were taken.

VOLATILE ORGANICS BY GC ANALYSIS

For Volatile Organics by GC analysis performed on 10/3/12 (batch 54092) the matrix spike duplicate recovery was slightly above control limits for Benzene. This is flagged accordingly in the QC summary report. The sample selected for the matrix spike and matrix spike duplicate was from this work order.

CLIENT: Larson & Associates
Project: Chevron Landfarm
Lab Order: 1210021

CASE NARRATIVE

The LCS was within control limits for this compound. No further corrective actions were taken.

DHL Analytical, Inc.

Date: 11-Oct-12

CLIENT: Larson & Associates
Project: Chevron Landfarm
Lab Order: 1210021

Work Order Sample Summary

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recved
1210021-01	Cell 17		09/27/12 10:00 AM	10/3/2012
1210021-02	Cell 18		09/27/12 10:30 AM	10/3/2012
1210021-03	Cell 19		09/27/12 11:00 AM	10/3/2012
1210021-04	Cell 20		09/27/12 11:30 AM	10/3/2012
1210021-05	Cell 21		09/27/12 12:00 PM	10/3/2012
1210021-06	Cell 25		09/27/12 12:30 PM	10/3/2012
1210021-07	Cell 26		09/27/12 01:00 PM	10/3/2012
1210021-08	Cell 17 Treat		09/27/12 10:00 AM	10/3/2012
1210021-09	Cell 18 Treat		09/27/12 10:30 AM	10/3/2012
1210021-10	Cell 19 Treat		09/27/12 11:00 AM	10/3/2012
1210021-11	Cell 20 Treat		09/27/12 11:30 AM	10/3/2012
1210021-12	Cell 21 Treat		09/27/12 12:00 PM	10/3/2012
1210021-13	Cell 25 Treat		09/27/12 12:30 PM	10/3/2012
1210021-14	Cell 26 Treat		09/27/12 01:00 PM	10/3/2012

Lab Order: 1210021
 Client: Larson & Associates
 Project: Chevron Landfarm

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1210021-01A	Cell 17	09/27/12 10:00 AM	Soil	SW5030A	Purge and Trap Soils GC	10/03/12 10:54 AM	54092
	Cell 17	09/27/12 10:00 AM	Soil	SW5030A	Purge and Trap Soils GC- Gas	10/05/12 10:12 AM	54128
	Cell 17	09/27/12 10:00 AM	Soil	SW3550B	Soil Prep Sonication: TRPH	10/09/12 11:30 AM	54177
1210021-01B	Cell 17	09/27/12 10:00 AM	Soil	SW7471A	Mercury Soil Prep, Total	10/04/12 09:00 AM	54096
	Cell 17	09/27/12 10:00 AM	Soil	D2216	Moisture Preparation	10/04/12	54113
	Cell 17	09/27/12 10:00 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	10/04/12 09:00 AM	54094
	Cell 17	09/27/12 10:00 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	10/04/12 09:00 AM	54094
1210021-01C	Cell 17	09/27/12 10:00 AM	Soil	E300	Anion Prep	10/08/12 02:30 PM	54158
	Cell 17	09/27/12 10:00 AM	Soil	SW3550C	Soil Prep Sonication: DRO	10/05/12 06:54 AM	54115
1210021-02A	Cell 18	09/27/12 10:30 AM	Soil	SW5030A	Purge and Trap Soils GC	10/03/12 10:54 AM	54092
	Cell 18	09/27/12 10:30 AM	Soil	SW5030A	Purge and Trap Soils GC- Gas	10/05/12 10:12 AM	54128
	Cell 18	09/27/12 10:30 AM	Soil	SW3550B	Soil Prep Sonication: TRPH	10/09/12 11:30 AM	54177
1210021-02B	Cell 18	09/27/12 10:30 AM	Soil	SW7471A	Mercury Soil Prep, Total	10/04/12 09:00 AM	54096
	Cell 18	09/27/12 10:30 AM	Soil	D2216	Moisture Preparation	10/04/12	54113
	Cell 18	09/27/12 10:30 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	10/04/12 09:00 AM	54094
	Cell 18	09/27/12 10:30 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	10/04/12 09:00 AM	54094
1210021-02C	Cell 18	09/27/12 10:30 AM	Soil	E300	Anion Prep	10/08/12 02:30 PM	54158
	Cell 18	09/27/12 10:30 AM	Soil	SW3550C	Soil Prep Sonication: DRO	10/05/12 06:54 AM	54115
1210021-03A	Cell 19	09/27/12 11:00 AM	Soil	SW5030A	Purge and Trap Soils GC	10/03/12 10:54 AM	54092
	Cell 19	09/27/12 11:00 AM	Soil	SW5030A	Purge and Trap Soils GC- Gas	10/05/12 10:12 AM	54128
	Cell 19	09/27/12 11:00 AM	Soil	SW3550B	Soil Prep Sonication: TRPH	10/09/12 11:30 AM	54177
1210021-03B	Cell 19	09/27/12 11:00 AM	Soil	SW7471A	Mercury Soil Prep, Total	10/04/12 09:00 AM	54096
	Cell 19	09/27/12 11:00 AM	Soil	D2216	Moisture Preparation	10/04/12	54113
	Cell 19	09/27/12 11:00 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	10/04/12 09:00 AM	54094
	Cell 19	09/27/12 11:00 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	10/04/12 09:00 AM	54094
1210021-03C	Cell 19	09/27/12 11:00 AM	Soil	E300	Anion Prep	10/08/12 02:30 PM	54158
	Cell 19	09/27/12 11:00 AM	Soil	SW3550C	Soil Prep Sonication: DRO	10/05/12 06:54 AM	54115
1210021-04A	Cell 20	09/27/12 11:30 AM	Soil	SW5030A	Purge and Trap Soils GC	10/03/12 10:54 AM	54092

Lab Order: 1210021
 Client: Larson & Associates
 Project: Chevron Landfarm

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1210021-04A	Cell 20	09/27/12 11:30 AM	Soil	SW5030A	Purge and Trap Soils GC- Gas	10/05/12 10:12 AM	54128
	Cell 20	09/27/12 11:30 AM	Soil	SW3550B	Soil Prep Sonication: TRPH	10/09/12 11:30 AM	54177
1210021-04B	Cell 20	09/27/12 11:30 AM	Soil	SW7471A	Mercury Soil Prep, Total	10/04/12 09:00 AM	54096
	Cell 20	09/27/12 11:30 AM	Soil	D2216	Moisture Preparation	10/04/12	54113
	Cell 20	09/27/12 11:30 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	10/04/12 09:00 AM	54094
	Cell 20	09/27/12 11:30 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	10/04/12 09:00 AM	54094
	Cell 20	09/27/12 11:30 AM	Soil	E300	Anion Prep	10/08/12 02:30 PM	54158
1210021-04C	Cell 20	09/27/12 11:30 AM	Soil	SW3550C	Soil Prep Sonication: DRO	10/05/12 06:54 AM	54115
	Cell 20	09/27/12 11:30 AM	Soil	SW3550C	Soil Prep Sonication: DRO	10/05/12 06:54 AM	54115
1210021-05A	Cell 21	09/27/12 12:00 PM	Soil	SW5030A	Purge and Trap Soils GC	10/03/12 10:54 AM	54092
	Cell 21	09/27/12 12:00 PM	Soil	SW5030A	Purge and Trap Soils GC- Gas	10/05/12 10:12 AM	54128
	Cell 21	09/27/12 12:00 PM	Soil	SW3550B	Soil Prep Sonication: TRPH	10/09/12 11:30 AM	54177
1210021-05B	Cell 21	09/27/12 12:00 PM	Soil	SW7471A	Mercury Soil Prep, Total	10/04/12 09:00 AM	54096
	Cell 21	09/27/12 12:00 PM	Soil	D2216	Moisture Preparation	10/04/12	54113
	Cell 21	09/27/12 12:00 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	10/04/12 09:00 AM	54094
	Cell 21	09/27/12 12:00 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	10/04/12 09:00 AM	54094
	Cell 21	09/27/12 12:00 PM	Soil	E300	Anion Prep	10/08/12 02:30 PM	54158
1210021-05C	Cell 21	09/27/12 12:00 PM	Soil	SW3550C	Soil Prep Sonication: DRO	10/05/12 06:54 AM	54115
	Cell 21	09/27/12 12:00 PM	Soil	SW3550C	Soil Prep Sonication: DRO	10/05/12 06:54 AM	54115
1210021-06A	Cell 25	09/27/12 12:30 PM	Soil	SW5030A	Purge and Trap Soils GC	10/03/12 10:54 AM	54092
	Cell 25	09/27/12 12:30 PM	Soil	SW5030A	Purge and Trap Soils GC- Gas	10/05/12 10:12 AM	54128
	Cell 25	09/27/12 12:30 PM	Soil	SW3550B	Soil Prep Sonication: TRPH	10/09/12 11:30 AM	54177
1210021-06B	Cell 25	09/27/12 12:30 PM	Soil	SW7471A	Mercury Soil Prep, Total	10/04/12 09:00 AM	54096
	Cell 25	09/27/12 12:30 PM	Soil	D2216	Moisture Preparation	10/04/12	54113
	Cell 25	09/27/12 12:30 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	10/04/12 09:00 AM	54094
	Cell 25	09/27/12 12:30 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	10/04/12 09:00 AM	54094
	Cell 25	09/27/12 12:30 PM	Soil	E300	Anion Prep	10/08/12 02:30 PM	54158
1210021-06C	Cell 25	09/27/12 12:30 PM	Soil	SW3550C	Soil Prep Sonication: DRO	10/05/12 06:54 AM	54115
	Cell 25	09/27/12 12:30 PM	Soil	SW3550C	Soil Prep Sonication: DRO	10/05/12 06:54 AM	54115
1210021-07A	Cell 26	09/27/12 01:00 PM	Soil	SW5030A	Purge and Trap Soils GC	10/03/12 10:54 AM	54092
	Cell 26	09/27/12 01:00 PM	Soil	SW5030A	Purge and Trap Soils GC- Gas	10/05/12 10:12 AM	54128

Lab Order: 1210021
Client: Larson & Associates
Project: Chevron Landfarm

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1210021-07A	Cell 26	09/27/12 01:00 PM	Soil	SW3550B	Soil Prep Sonication: TRPH	10/09/12 11:30 AM	54177
1210021-07B	Cell 26	09/27/12 01:00 PM	Soil	SW7471A	Mercury Soil Prep, Total	10/04/12 09:00 AM	54096
	Cell 26	09/27/12 01:00 PM	Soil	D2216	Moisture Preparation	10/04/12	54113
	Cell 26	09/27/12 01:00 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	10/04/12 09:00 AM	54094
	Cell 26	09/27/12 01:00 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	10/04/12 09:00 AM	54094
1210021-07C	Cell 26	09/27/12 01:00 PM	Soil	E300	Anion Prep	10/08/12 02:30 PM	54158
	Cell 26	09/27/12 01:00 PM	Soil	SW3550C	Soil Prep Sonication: DRO	10/05/12 06:54 AM	54115
1210021-08A	Cell 17 Treat	09/27/12 10:00 AM	Soil	SW5030A	Purge and Trap Soils GC	10/03/12 10:54 AM	54092
	Cell 17 Treat	09/27/12 10:00 AM	Soil	SW5030A	Purge and Trap Soils GC- Gas	10/05/12 10:12 AM	54128
	Cell 17 Treat	09/27/12 10:00 AM	Soil	SW3550B	Soil Prep Sonication: TRPH	10/09/12 11:30 AM	54177
1210021-08B	Cell 17 Treat	09/27/12 10:00 AM	Soil	SW7471A	Mercury Soil Prep, Total	10/04/12 09:00 AM	54096
	Cell 17 Treat	09/27/12 10:00 AM	Soil	D2216	Moisture Preparation	10/04/12	54113
	Cell 17 Treat	09/27/12 10:00 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	10/04/12 09:00 AM	54094
	Cell 17 Treat	09/27/12 10:00 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	10/04/12 09:00 AM	54094
1210021-08C	Cell 17 Treat	09/27/12 10:00 AM	Soil	E300	Anion Prep	10/08/12 02:30 PM	54158
	Cell 17 Treat	09/27/12 10:00 AM	Soil	SW3550C	Soil Prep Sonication: DRO	10/05/12 06:54 AM	54115
1210021-09A	Cell 18 Treat	09/27/12 10:30 AM	Soil	SW5030A	Purge and Trap Soils GC	10/03/12 12:37 PM	54095
	Cell 18 Treat	09/27/12 10:30 AM	Soil	SW5030A	Purge and Trap Soils GC- Gas	10/05/12 11:17 AM	54133
	Cell 18 Treat	09/27/12 10:30 AM	Soil	SW3550B	Soil Prep Sonication: TRPH	10/09/12 11:30 AM	54177
1210021-09B	Cell 18 Treat	09/27/12 10:30 AM	Soil	SW7471A	Mercury Soil Prep, Total	10/04/12 09:00 AM	54096
	Cell 18 Treat	09/27/12 10:30 AM	Soil	D2216	Moisture Preparation	10/04/12	54113
	Cell 18 Treat	09/27/12 10:30 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	10/04/12 09:00 AM	54094
	Cell 18 Treat	09/27/12 10:30 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	10/04/12 09:00 AM	54094
1210021-09C	Cell 18 Treat	09/27/12 10:30 AM	Soil	E300	Anion Prep	10/08/12 02:30 PM	54158
	Cell 18 Treat	09/27/12 10:30 AM	Soil	SW3550C	Soil Prep Sonication: DRO	10/05/12 06:54 AM	54115
1210021-10A	Cell 19 Treat	09/27/12 11:00 AM	Soil	SW5030A	Purge and Trap Soils GC	10/03/12 12:37 PM	54095
	Cell 19 Treat	09/27/12 11:00 AM	Soil	SW5030A	Purge and Trap Soils GC- Gas	10/05/12 11:17 AM	54133
	Cell 19 Treat	09/27/12 11:00 AM	Soil	SW3550B	Soil Prep Sonication: TRPH	10/09/12 11:30 AM	54177

Lab Order: 1210021
 Client: Larson & Associates
 Project: Chevron Landfarm

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1210021-10B	Cell 19 Treat	09/27/12 11:00 AM	Soil	SW7471A	Mercury Soil Prep, Total	10/04/12 09:00 AM	54096
	Cell 19 Treat	09/27/12 11:00 AM	Soil	D2216	Moisture Preparation	10/04/12	54113
	Cell 19 Treat	09/27/12 11:00 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	10/04/12 09:00 AM	54094
	Cell 19 Treat	09/27/12 11:00 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	10/04/12 09:00 AM	54094
1210021-10C	Cell 19 Treat	09/27/12 11:00 AM	Soil	E300	Anion Prep	10/08/12 02:30 PM	54158
	Cell 19 Treat	09/27/12 11:00 AM	Soil	SW3550C	Soil Prep Sonication: DRO	10/05/12 06:54 AM	54115
1210021-11A	Cell 20 Treat	09/27/12 11:30 AM	Soil	SW5030A	Purge and Trap Soils GC	10/03/12 12:37 PM	54095
	Cell 20 Treat	09/27/12 11:30 AM	Soil	SW5030A	Purge and Trap Soils GC- Gas	10/05/12 11:17 AM	54133
	Cell 20 Treat	09/27/12 11:30 AM	Soil	SW3550B	Soil Prep Sonication: TRPH	10/09/12 11:30 AM	54177
1210021-11B	Cell 20 Treat	09/27/12 11:30 AM	Soil	SW7471A	Mercury Soil Prep, Total	10/04/12 09:00 AM	54096
	Cell 20 Treat	09/27/12 11:30 AM	Soil	D2216	Moisture Preparation	10/04/12	54113
	Cell 20 Treat	09/27/12 11:30 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	10/04/12 09:00 AM	54094
	Cell 20 Treat	09/27/12 11:30 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	10/04/12 09:00 AM	54094
1210021-11C	Cell 20 Treat	09/27/12 11:30 AM	Soil	E300	Anion Prep	10/08/12 02:30 PM	54158
	Cell 20 Treat	09/27/12 11:30 AM	Soil	E300	Anion Prep	10/08/12 02:30 PM	54158
	Cell 20 Treat	09/27/12 11:30 AM	Soil	SW3550C	Soil Prep Sonication: DRO	10/05/12 06:54 AM	54115
	Cell 20 Treat	09/27/12 11:30 AM	Soil	SW3550C	Soil Prep Sonication: DRO	10/05/12 06:54 AM	54115
1210021-12A	Cell 21 Treat	09/27/12 12:00 PM	Soil	SW5030A	Purge and Trap Soils GC	10/03/12 12:37 PM	54095
	Cell 21 Treat	09/27/12 12:00 PM	Soil	SW5030A	Purge and Trap Soils GC- Gas	10/05/12 11:17 AM	54133
	Cell 21 Treat	09/27/12 12:00 PM	Soil	SW3550B	Soil Prep Sonication: TRPH	10/09/12 11:30 AM	54177
1210021-12B	Cell 21 Treat	09/27/12 12:00 PM	Soil	SW7471A	Mercury Soil Prep, Total	10/04/12 09:00 AM	54096
	Cell 21 Treat	09/27/12 12:00 PM	Soil	D2216	Moisture Preparation	10/04/12	54113
	Cell 21 Treat	09/27/12 12:00 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	10/04/12 09:00 AM	54094
	Cell 21 Treat	09/27/12 12:00 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	10/04/12 09:00 AM	54094
1210021-12C	Cell 21 Treat	09/27/12 12:00 PM	Soil	E300	Anion Prep	10/08/12 02:30 PM	54158
	Cell 21 Treat	09/27/12 12:00 PM	Soil	SW3550C	Soil Prep Sonication: DRO	10/05/12 06:54 AM	54115
1210021-13A	Cell 25 Treat	09/27/12 12:30 PM	Soil	SW5030A	Purge and Trap Soils GC	10/03/12 12:37 PM	54095
	Cell 25 Treat	09/27/12 12:30 PM	Soil	SW5030A	Purge and Trap Soils GC- Gas	10/05/12 11:17 AM	54133

Lab Order: 1210021
 Client: Larson & Associates
 Project: Chevron Landfarm

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1210021-13A	Cell 25 Treat	09/27/12 12:30 PM	Soil	SW3550B	Soil Prep Sonication: TRPH	10/09/12 11:30 AM	54177
1210021-13B	Cell 25 Treat	09/27/12 12:30 PM	Soil	SW7471A	Mercury Soil Prep, Total	10/04/12 09:00 AM	54096
	Cell 25 Treat	09/27/12 12:30 PM	Soil	D2216	Moisture Preparation	10/04/12	54113
	Cell 25 Treat	09/27/12 12:30 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	10/04/12 09:00 AM	54094
	Cell 25 Treat	09/27/12 12:30 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	10/04/12 09:00 AM	54094
1210021-13C	Cell 25 Treat	09/27/12 12:30 PM	Soil	E300	Anion Prep	10/08/12 02:30 PM	54158
	Cell 25 Treat	09/27/12 12:30 PM	Soil	SW3550C	Soil Prep Sonication: DRO	10/05/12 06:54 AM	54115
1210021-14A	Cell 26 Treat	09/27/12 01:00 PM	Soil	SW5030A	Purge and Trap Soils GC	10/03/12 12:37 PM	54095
	Cell 26 Treat	09/27/12 01:00 PM	Soil	SW5030A	Purge and Trap Soils GC- Gas	10/05/12 11:17 AM	54133
	Cell 26 Treat	09/27/12 01:00 PM	Soil	SW3550B	Soil Prep Sonication: TRPH	10/09/12 11:30 AM	54177
1210021-14B	Cell 26 Treat	09/27/12 01:00 PM	Soil	SW7471A	Mercury Soil Prep, Total	10/04/12 09:00 AM	54096
	Cell 26 Treat	09/27/12 01:00 PM	Soil	D2216	Moisture Preparation	10/04/12	54113
	Cell 26 Treat	09/27/12 01:00 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	10/04/12 09:00 AM	54094
	Cell 26 Treat	09/27/12 01:00 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	10/04/12 09:00 AM	54094
1210021-14C	Cell 26 Treat	09/27/12 01:00 PM	Soil	E300	Anion Prep	10/08/12 02:30 PM	54158
	Cell 26 Treat	09/27/12 01:00 PM	Soil	SW3550C	Soil Prep Sonication: DRO	10/05/12 06:54 AM	54115
	Cell 26 Treat	09/27/12 01:00 PM	Soil	SW3550C	Soil Prep Sonication: DRO	10/05/12 06:54 AM	54115

Lab Order: 1210021
Client: Larson & Associates
Project: Chevron Landfarm

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1210021-01A	Cell 17	Soil	M8015V	TPH Purgeable by GC - Soil	54128	1	10/05/12 06:51 PM	GC4_121005A
	Cell 17	Soil	E418.1	TRPH	54177	1	10/09/12 01:00 PM	IR207_121009A
	Cell 17	Soil	SW8021B	Volatile Organics by GC	54092	1	10/03/12 07:04 PM	GC4_121003A
1210021-01B	Cell 17	Soil	D2216	Percent Moisture	54113	1	10/05/12 09:10 AM	PMOIST_121004B
	Cell 17	Soil	SW7471B	Total Mercury: Soil/Solid	54096	1	10/09/12 03:08 PM	CETAC_HG_121009A
	Cell 17	Soil	SW6020A	Trace Metals: ICP-MS - Solid	54094	5	10/08/12 04:02 PM	ICP-MS2_121008A
	Cell 17	Soil	SW6020A	Trace Metals: ICP-MS - Solid	54094	50	10/09/12 12:54 PM	ICP-MS2_121009A
1210021-01C	Cell 17	Soil	E300	Anions by IC method - Soil	54158	1	10/09/12 09:47 AM	IC_121009A
	Cell 17	Soil	M8015D	TPH Extractable by GC - Soil	54115	1	10/09/12 04:50 PM	GC15_121009A
1210021-02A	Cell 18	Soil	M8015V	TPH Purgeable by GC - Soil	54128	1	10/05/12 07:16 PM	GC4_121005A
	Cell 18	Soil	E418.1	TRPH	54177	1	10/09/12 01:00 PM	IR207_121009A
	Cell 18	Soil	SW8021B	Volatile Organics by GC	54092	1	10/03/12 07:28 PM	GC4_121003A
1210021-02B	Cell 18	Soil	D2216	Percent Moisture	54113	1	10/05/12 09:10 AM	PMOIST_121004B
	Cell 18	Soil	SW7471B	Total Mercury: Soil/Solid	54096	1	10/09/12 03:10 PM	CETAC_HG_121009A
	Cell 18	Soil	SW6020A	Trace Metals: ICP-MS - Solid	54094	50	10/09/12 01:00 PM	ICP-MS2_121009A
	Cell 18	Soil	SW6020A	Trace Metals: ICP-MS - Solid	54094	5	10/08/12 04:08 PM	ICP-MS2_121008A
1210021-02C	Cell 18	Soil	E300	Anions by IC method - Soil	54158	1	10/09/12 10:39 AM	IC_121009A
	Cell 18	Soil	M8015D	TPH Extractable by GC - Soil	54115	1	10/09/12 04:59 PM	GC15_121009A
1210021-03A	Cell 19	Soil	M8015V	TPH Purgeable by GC - Soil	54128	1	10/05/12 07:41 PM	GC4_121005A
	Cell 19	Soil	E418.1	TRPH	54177	1	10/09/12 01:00 PM	IR207_121009A
	Cell 19	Soil	SW8021B	Volatile Organics by GC	54092	1	10/03/12 07:54 PM	GC4_121003A
1210021-03B	Cell 19	Soil	D2216	Percent Moisture	54113	1	10/05/12 09:10 AM	PMOIST_121004B
	Cell 19	Soil	SW7471B	Total Mercury: Soil/Solid	54096	1	10/09/12 03:12 PM	CETAC_HG_121009A
	Cell 19	Soil	SW6020A	Trace Metals: ICP-MS - Solid	54094	5	10/08/12 04:14 PM	ICP-MS2_121008A
	Cell 19	Soil	SW6020A	Trace Metals: ICP-MS - Solid	54094	50	10/09/12 01:06 PM	ICP-MS2_121009A
1210021-03C	Cell 19	Soil	E300	Anions by IC method - Soil	54158	1	10/09/12 10:51 AM	IC_121009A
	Cell 19	Soil	M8015D	TPH Extractable by GC - Soil	54115	1	10/09/12 05:07 PM	GC15_121009A
1210021-04A	Cell 20	Soil	M8015V	TPH Purgeable by GC - Soil	54128	1	10/05/12 08:07 PM	GC4_121005A

Lab Order: 1210021
Client: Larson & Associates
Project: Chevron Landfarm

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1210021-04A	Cell 20	Soil	E418.1	TRPH	54177	1	10/09/12 01:00 PM	IR207_121009A
	Cell 20	Soil	SW8021B	Volatile Organics by GC	54092	1	10/03/12 08:21 PM	GC4_121003A
1210021-04B	Cell 20	Soil	D2216	Percent Moisture	54113	1	10/05/12 09:10 AM	PMOIST_121004B
	Cell 20	Soil	SW7471B	Total Mercury: Soil/Solid	54096	1	10/09/12 03:18 PM	CETAC_HG_121009A
	Cell 20	Soil	SW6020A	Trace Metals: ICP-MS - Solid	54094	50	10/09/12 01:12 PM	ICP-MS2_121009A
	Cell 20	Soil	SW6020A	Trace Metals: ICP-MS - Solid	54094	5	10/08/12 04:19 PM	ICP-MS2_121008A
	Cell 20	Soil	E300	Anions by IC method - Soil	54158	1	10/09/12 11:02 AM	IC_121009A
1210021-04C	Cell 20	Soil	M8015D	TPH Extractable by GC - Soil	54115	1	10/09/12 05:16 PM	GC15_121009A
	Cell 20	Soil	M8015V	TPH Purgeable by GC - Soil	54128	1	10/05/12 08:32 PM	GC4_121005A
1210021-05A	Cell 21	Soil	E418.1	TRPH	54177	1	10/09/12 01:00 PM	IR207_121009A
	Cell 21	Soil	SW8021B	Volatile Organics by GC	54092	1	10/03/12 08:46 PM	GC4_121003A
	Cell 21	Soil	D2216	Percent Moisture	54113	1	10/05/12 09:10 AM	PMOIST_121004B
	Cell 21	Soil	SW7471B	Total Mercury: Soil/Solid	54096	1	10/09/12 03:20 PM	CETAC_HG_121009A
1210021-05B	Cell 21	Soil	SW6020A	Trace Metals: ICP-MS - Solid	54094	50	10/09/12 01:18 PM	ICP-MS2_121009A
	Cell 21	Soil	SW6020A	Trace Metals: ICP-MS - Solid	54094	5	10/08/12 04:26 PM	ICP-MS2_121008A
	Cell 21	Soil	E300	Anions by IC method - Soil	54158	1	10/09/12 11:14 AM	IC_121009A
	Cell 21	Soil	M8015D	TPH Extractable by GC - Soil	54115	1	10/09/12 05:24 PM	GC15_121009A
	Cell 21	Soil	M8015V	TPH Purgeable by GC - Soil	54128	1	10/05/12 08:58 PM	GC4_121005A
1210021-06A	Cell 25	Soil	E418.1	TRPH	54177	1	10/09/12 01:00 PM	IR207_121009A
	Cell 25	Soil	SW8021B	Volatile Organics by GC	54092	1	10/03/12 09:11 PM	GC4_121003A
	Cell 25	Soil	D2216	Percent Moisture	54113	1	10/05/12 09:10 AM	PMOIST_121004B
1210021-06B	Cell 25	Soil	SW7471B	Total Mercury: Soil/Solid	54096	1	10/09/12 03:22 PM	CETAC_HG_121009A
	Cell 25	Soil	SW6020A	Trace Metals: ICP-MS - Solid	54094	5	10/08/12 04:32 PM	ICP-MS2_121008A
	Cell 25	Soil	SW6020A	Trace Metals: ICP-MS - Solid	54094	50	10/09/12 01:24 PM	ICP-MS2_121009A
	Cell 25	Soil	E300	Anions by IC method - Soil	54158	1	10/09/12 11:40 AM	IC_121009A
	Cell 25	Soil	M8015D	TPH Extractable by GC - Soil	54115	1	10/09/12 05:33 PM	GC15_121009A
1210021-07A	Cell 26	Soil	M8015V	TPH Purgeable by GC - Soil	54128	1	10/05/12 09:24 PM	GC4_121005A
	Cell 26	Soil	E418.1	TRPH	54177	1	10/09/12 01:00 PM	IR207_121009A

Lab Order: 1210021
Client: Larson & Associates
Project: Chevron Landfarm

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1210021-07A	Cell 26	Soil	SW8021B	Volatile Organics by GC	54092	1	10/03/12 09:37 PM	GC4_121003A
1210021-07B	Cell 26	Soil	D2216	Percent Moisture	54113	1	10/05/12 09:10 AM	PMOIST_121004B
	Cell 26	Soil	SW7471B	Total Mercury: Soil/Solid	54096	1	10/09/12 03:24 PM	CETAC_HG_121009A
	Cell 26	Soil	SW6020A	Trace Metals: ICP-MS - Solid	54094	5	10/08/12 04:38 PM	ICP-MS2_121008A
	Cell 26	Soil	SW6020A	Trace Metals: ICP-MS - Solid	54094	50	10/09/12 01:30 PM	ICP-MS2_121009A
1210021-07C	Cell 26	Soil	E300	Anions by IC method - Soil	54158	1	10/09/12 11:52 AM	IC_121009A
	Cell 26	Soil	M8015D	TPH Extractable by GC - Soil	54115	1	10/09/12 05:41 PM	GC15_121009A
1210021-08A	Cell 17 Treat	Soil	M8015V	TPH Purgeable by GC - Soil	54128	1	10/05/12 09:49 PM	GC4_121005A
	Cell 17 Treat	Soil	E418.1	TRPH	54177	1	10/09/12 01:00 PM	IR207_121009A
	Cell 17 Treat	Soil	SW8021B	Volatile Organics by GC	54092	1	10/03/12 10:03 PM	GC4_121003A
1210021-08B	Cell 17 Treat	Soil	D2216	Percent Moisture	54113	1	10/05/12 09:10 AM	PMOIST_121004B
	Cell 17 Treat	Soil	SW7471B	Total Mercury: Soil/Solid	54096	1	10/09/12 03:27 PM	CETAC_HG_121009A
	Cell 17 Treat	Soil	SW6020A	Trace Metals: ICP-MS - Solid	54094	5	10/08/12 04:44 PM	ICP-MS2_121008A
	Cell 17 Treat	Soil	SW6020A	Trace Metals: ICP-MS - Solid	54094	50	10/09/12 01:35 PM	ICP-MS2_121009A
1210021-08C	Cell 17 Treat	Soil	E300	Anions by IC method - Soil	54158	1	10/09/12 12:04 PM	IC_121009A
	Cell 17 Treat	Soil	M8015D	TPH Extractable by GC - Soil	54115	1	10/09/12 05:50 PM	GC15_121009A
1210021-09A	Cell 18 Treat	Soil	M8015V	TPH Purgeable by GC - Soil	54133	1	10/06/12 12:48 AM	GC4_121005B
	Cell 18 Treat	Soil	E418.1	TRPH	54177	1	10/09/12 01:00 PM	IR207_121009A
	Cell 18 Treat	Soil	SW8021B	Volatile Organics by GC	54095	1	10/04/12 01:01 AM	GC4_121003A
1210021-09B	Cell 18 Treat	Soil	D2216	Percent Moisture	54113	1	10/05/12 09:10 AM	PMOIST_121004B
	Cell 18 Treat	Soil	SW7471B	Total Mercury: Soil/Solid	54096	1	10/09/12 03:29 PM	CETAC_HG_121009A
	Cell 18 Treat	Soil	SW6020A	Trace Metals: ICP-MS - Solid	54094	5	10/08/12 04:50 PM	ICP-MS2_121008A
	Cell 18 Treat	Soil	SW6020A	Trace Metals: ICP-MS - Solid	54094	50	10/09/12 01:41 PM	ICP-MS2_121009A
1210021-09C	Cell 18 Treat	Soil	E300	Anions by IC method - Soil	54158	1	10/09/12 12:15 PM	IC_121009A
	Cell 18 Treat	Soil	M8015D	TPH Extractable by GC - Soil	54115	1	10/09/12 07:14 PM	GC15_121009A
1210021-10A	Cell 19 Treat	Soil	M8015V	TPH Purgeable by GC - Soil	54133	1	10/06/12 01:13 AM	GC4_121005B
	Cell 19 Treat	Soil	E418.1	TRPH	54177	1	10/09/12 01:00 PM	IR207_121009A
	Cell 19 Treat	Soil	SW8021B	Volatile Organics by GC	54095	1	10/04/12 01:27 AM	GC4_121003A

Lab Order: 1210021
Client: Larson & Associates
Project: Chevron Landfarm

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1210021-10B	Cell 19 Treat	Soil	D2216	Percent Moisture	54113	1	10/05/12 09:10 AM	PMOIST_121004B
	Cell 19 Treat	Soil	SW7471B	Total Mercury: Soil/Solid	54096	1	10/09/12 03:31 PM	CETAC_HG_121009A
	Cell 19 Treat	Soil	SW6020A	Trace Metals: ICP-MS - Solid	54094	50	10/09/12 07:43 PM	ICP-MS2_121009A
	Cell 19 Treat	Soil	SW6020A	Trace Metals: ICP-MS - Solid	54094	5	10/08/12 06:04 PM	ICP-MS2_121008A
1210021-10C	Cell 19 Treat	Soil	E300	Anions by IC method - Soil	54158	1	10/09/12 12:27 PM	IC_121009A
	Cell 19 Treat	Soil	M8015D	TPH Extractable by GC - Soil	54115	1	10/09/12 07:06 PM	GC15_121009A
1210021-11A	Cell 20 Treat	Soil	M8015V	TPH Purgeable by GC - Soil	54133	1	10/06/12 01:39 AM	GC4_121005B
	Cell 20 Treat	Soil	E418.1	TRPH	54177	1	10/09/12 01:00 PM	IR207_121009A
	Cell 20 Treat	Soil	SW8021B	Volatile Organics by GC	54095	1	10/04/12 01:53 AM	GC4_121003A
1210021-11B	Cell 20 Treat	Soil	D2216	Percent Moisture	54113	1	10/05/12 09:10 AM	PMOIST_121004B
	Cell 20 Treat	Soil	SW7471B	Total Mercury: Soil/Solid	54096	1	10/09/12 03:33 PM	CETAC_HG_121009A
	Cell 20 Treat	Soil	SW6020A	Trace Metals: ICP-MS - Solid	54094	5	10/08/12 06:10 PM	ICP-MS2_121008A
	Cell 20 Treat	Soil	SW6020A	Trace Metals: ICP-MS - Solid	54094	50	10/09/12 07:49 PM	ICP-MS2_121009A
1210021-11C	Cell 20 Treat	Soil	E300	Anions by IC method - Soil	54158	1	10/09/12 12:39 PM	IC_121009A
	Cell 20 Treat	Soil	E300	Anions by IC method - Soil	54158	10	10/09/12 03:06 PM	IC_121009A
	Cell 20 Treat	Soil	M8015D	TPH Extractable by GC - Soil	54115	1	10/09/12 07:31 PM	GC15_121009A
	Cell 20 Treat	Soil	M8015D	TPH Extractable by GC - Soil	54115	10	10/09/12 08:47 PM	GC15_121009A
1210021-12A	Cell 21 Treat	Soil	M8015V	TPH Purgeable by GC - Soil	54133	1	10/06/12 02:05 AM	GC4_121005B
	Cell 21 Treat	Soil	E418.1	TRPH	54177	1	10/09/12 01:00 PM	IR207_121009A
	Cell 21 Treat	Soil	SW8021B	Volatile Organics by GC	54095	1	10/04/12 02:19 AM	GC4_121003A
1210021-12B	Cell 21 Treat	Soil	D2216	Percent Moisture	54113	1	10/05/12 09:10 AM	PMOIST_121004B
	Cell 21 Treat	Soil	SW7471B	Total Mercury: Soil/Solid	54096	1	10/09/12 03:35 PM	CETAC_HG_121009A
	Cell 21 Treat	Soil	SW6020A	Trace Metals: ICP-MS - Solid	54094	5	10/08/12 06:16 PM	ICP-MS2_121008A
	Cell 21 Treat	Soil	SW6020A	Trace Metals: ICP-MS - Solid	54094	50	10/09/12 07:55 PM	ICP-MS2_121009A
1210021-12C	Cell 21 Treat	Soil	E300	Anions by IC method - Soil	54158	1	10/09/12 12:50 PM	IC_121009A
	Cell 21 Treat	Soil	M8015D	TPH Extractable by GC - Soil	54115	1	10/09/12 06:49 PM	GC15_121009A
1210021-13A	Cell 25 Treat	Soil	M8015V	TPH Purgeable by GC - Soil	54133	1	10/06/12 02:30 AM	GC4_121005B
	Cell 25 Treat	Soil	E418.1	TRPH	54177	1	10/09/12 01:00 PM	IR207_121009A

Lab Order: 1210021
Client: Larson & Associates
Project: Chevron Landfarm

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1210021-13A	Cell 25 Treat	Soil	SW8021B	Volatile Organics by GC	54095	1	10/04/12 02:44 AM	GC4_121003A
1210021-13B	Cell 25 Treat	Soil	D2216	Percent Moisture	54113	1	10/05/12 09:10 AM	PMOIST_121004B
	Cell 25 Treat	Soil	SW7471B	Total Mercury: Soil/Solid	54096	1	10/09/12 03:37 PM	CETAC_HG_121009A
	Cell 25 Treat	Soil	SW6020A	Trace Metals: ICP-MS - Solid	54094	5	10/08/12 06:22 PM	ICP-MS2_121008A
	Cell 25 Treat	Soil	SW6020A	Trace Metals: ICP-MS - Solid	54094	50	10/09/12 08:01 PM	ICP-MS2_121009A
1210021-13C	Cell 25 Treat	Soil	E300	Anions by IC method - Soil	54158	1	10/09/12 01:15 PM	IC_121009A
	Cell 25 Treat	Soil	M8015D	TPH Extractable by GC - Soil	54115	1	10/09/12 05:58 PM	GC15_121009A
1210021-14A	Cell 26 Treat	Soil	M8015V	TPH Purgeable by GC - Soil	54133	1	10/06/12 02:55 AM	GC4_121005B
	Cell 26 Treat	Soil	E418.1	TRPH	54177	10	10/09/12 01:00 PM	IR207_121009A
	Cell 26 Treat	Soil	SW8021B	Volatile Organics by GC	54095	1	10/04/12 03:09 AM	GC4_121003A
1210021-14B	Cell 26 Treat	Soil	D2216	Percent Moisture	54113	1	10/05/12 09:10 AM	PMOIST_121004B
	Cell 26 Treat	Soil	SW7471B	Total Mercury: Soil/Solid	54096	1	10/09/12 02:41 PM	CETAC_HG_121009A
	Cell 26 Treat	Soil	SW6020A	Trace Metals: ICP-MS - Solid	54094	5	10/08/12 03:50 PM	ICP-MS2_121008A
	Cell 26 Treat	Soil	SW6020A	Trace Metals: ICP-MS - Solid	54094	50	10/09/12 12:42 PM	ICP-MS2_121009A
1210021-14C	Cell 26 Treat	Soil	E300	Anions by IC method - Soil	54158	1	10/09/12 01:27 PM	IC_121009A
	Cell 26 Treat	Soil	M8015D	TPH Extractable by GC - Soil	54115	10	10/09/12 09:04 PM	GC15_121009A
	Cell 26 Treat	Soil	M8015D	TPH Extractable by GC - Soil	54115	1	10/09/12 08:05 PM	GC15_121009A

DHL Analytical, Inc.

Date: 11-Oct-12

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1210021

Client Sample ID: Cell 17
Lab ID: 1210021-01
Collection Date: 09/27/12 10:00 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL							
		M8015D					Analyst: DO
TPH-DRO C10-C28	ND	10.9	10.9		mg/Kg-dry	1	10/09/12 04:50 PM
Surr: Isopropylbenzene	82.2	0	47-142		%REC	1	10/09/12 04:50 PM
Surr: Octacosane	122	0	25-162		%REC	1	10/09/12 04:50 PM
TPH PURGEABLE BY GC - SOIL							
		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.104	0.209		mg/Kg-dry	1	10/05/12 06:51 PM
Surr: Tetrachlorethene	107	0	70-134		%REC	1	10/05/12 06:51 PM
VOLATILE ORGANICS BY GC							
		SW8021B					Analyst: DEW
Benzene	ND	0.00312	0.00520		mg/Kg-dry	1	10/03/12 07:04 PM
Ethylbenzene	ND	0.00520	0.0156		mg/Kg-dry	1	10/03/12 07:04 PM
Toluene	ND	0.00520	0.0156		mg/Kg-dry	1	10/03/12 07:04 PM
Xylenes, Total	ND	0.00520	0.0156		mg/Kg-dry	1	10/03/12 07:04 PM
Surr: Tetrachloroethene	108	0	79-135		%REC	1	10/03/12 07:04 PM
TOTAL MERCURY: SOIL/SOLID							
		SW7471B					Analyst: LM
Mercury	ND	0.0151	0.0377		mg/Kg-dry	1	10/09/12 03:08 PM
TRACE METALS: ICP-MS - SOLID							
		SW6020A					Analyst: AJR
Arsenic	3.28	0.550	1.10		mg/Kg-dry	5	10/08/12 04:02 PM
Barium	158	0.550	2.20		mg/Kg-dry	5	10/08/12 04:02 PM
Cadmium	0.119	0.110	0.330	J	mg/Kg-dry	5	10/08/12 04:02 PM
Chromium	4.20	0.550	2.20		mg/Kg-dry	5	10/08/12 04:02 PM
Copper	3.68	0.550	2.20		mg/Kg-dry	5	10/08/12 04:02 PM
Iron	3160	137	137		mg/Kg-dry	50	10/09/12 12:54 PM
Lead	1.98	0.110	0.330		mg/Kg-dry	5	10/08/12 04:02 PM
Manganese	32.6	0.550	2.20		mg/Kg-dry	5	10/08/12 04:02 PM
Selenium	0.444	0.165	0.550	J	mg/Kg-dry	5	10/08/12 04:02 PM
Silver	ND	0.110	0.220		mg/Kg-dry	5	10/08/12 04:02 PM
Zinc	7.77	1.10	2.75		mg/Kg-dry	5	10/08/12 04:02 PM
TRPH							
		E418.1					Analyst: DEW
Petroleum Hydrocarbons, TR	7.62	5.54	11.1	JN	mg/Kg-dry	1	10/09/12 01:00 PM
ANIONS BY IC METHOD - SOIL							
		E300					Analyst: JBC
Chloride	12.2	5.46	5.46		mg/Kg-dry	1	10/09/12 09:47 AM
Sulfate	94.2	10.9	10.9		mg/Kg-dry	1	10/09/12 09:47 AM
PERCENT MOISTURE							
		D2216					Analyst: MK
Percent Moisture	9.91	0	0		WT%	1	10/05/12 09:10 AM

Qualifiers:	* Value exceeds TCLP Maximum Concentration Level	B Analyte detected in the associated Method Blank
	C Sample Result or QC discussed in the Case Narrative	DF Dilution Factor
	E TPH pattern not Gas or Diesel Range Pattern	J Analyte detected between MDL and RL
	MDL Method Detection Limit	ND Not Detected at the Method Detection Limit
	RL Reporting Limit	S Spike Recovery outside control limits
	N Parameter not NELAC certified	

DHL Analytical, Inc.
Date: 11-Oct-12

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1210021

Client Sample ID: Cell 18
Lab ID: 1210021-02
Collection Date: 09/27/12 10:30 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL		M8015D					Analyst: DO
TPH-DRO C10-C28	11.1	10.6	10.6		mg/Kg-dry	1	10/09/12 04:59 PM
Surr: Isopropylbenzene	67.7	0	47-142		%REC	1	10/09/12 04:59 PM
Surr: Octacosane	105	0	25-162		%REC	1	10/09/12 04:59 PM
TPH PURGEABLE BY GC - SOIL		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.0963	0.193		mg/Kg-dry	1	10/05/12 07:16 PM
Surr: Tetrachlorethene	110	0	70-134		%REC	1	10/05/12 07:16 PM
VOLATILE ORGANICS BY GC		SW8021B					Analyst: DEW
Benzene	ND	0.00272	0.00453		mg/Kg-dry	1	10/03/12 07:28 PM
Ethylbenzene	ND	0.00453	0.0136		mg/Kg-dry	1	10/03/12 07:28 PM
Toluene	ND	0.00453	0.0136		mg/Kg-dry	1	10/03/12 07:28 PM
Xylenes, Total	ND	0.00453	0.0136		mg/Kg-dry	1	10/03/12 07:28 PM
Surr: Tetrachloroethene	109	0	79-135		%REC	1	10/03/12 07:28 PM
TOTAL MERCURY: SOIL/SOLID		SW7471B					Analyst: LM
Mercury	ND	0.0165	0.0413		mg/Kg-dry	1	10/09/12 03:10 PM
TRACE METALS: ICP-MS - SOLID		SW6020A					Analyst: AJR
Arsenic	2.81	0.502	1.00		mg/Kg-dry	5	10/08/12 04:08 PM
Barium	139	0.502	2.01		mg/Kg-dry	5	10/08/12 04:08 PM
Cadmium	0.105	0.100	0.301	J	mg/Kg-dry	5	10/08/12 04:08 PM
Chromium	4.63	0.502	2.01		mg/Kg-dry	5	10/08/12 04:08 PM
Copper	2.09	0.502	2.01		mg/Kg-dry	5	10/08/12 04:08 PM
Iron	3480	126	126		mg/Kg-dry	50	10/09/12 01:00 PM
Lead	2.42	0.100	0.301		mg/Kg-dry	5	10/08/12 04:08 PM
Manganese	31.2	0.502	2.01		mg/Kg-dry	5	10/08/12 04:08 PM
Selenium	0.449	0.151	0.502	J	mg/Kg-dry	5	10/08/12 04:08 PM
Silver	ND	0.100	0.201		mg/Kg-dry	5	10/08/12 04:08 PM
Zinc	8.06	1.00	2.51		mg/Kg-dry	5	10/08/12 04:08 PM
TRPH		E418.1					Analyst: DEW
Petroleum Hydrocarbons, TR	ND	5.33	10.7	N	mg/Kg-dry	1	10/09/12 01:00 PM
ANIONS BY IC METHOD - SOIL		E300					Analyst: JBC
Chloride	188	5.30	5.30		mg/Kg-dry	1	10/09/12 10:39 AM
Sulfate	171	10.6	10.6		mg/Kg-dry	1	10/09/12 10:39 AM
PERCENT MOISTURE		D2216					Analyst: MK
Percent Moisture	6.92	0	0		WT%	1	10/05/12 09:10 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 11-Oct-12

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1210021

Client Sample ID: Cell 19
Lab ID: 1210021-03
Collection Date: 09/27/12 11:00 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL							
		M8015D					Analyst: DO
TPH-DRO C10-C28	17.6	10.3	10.3		mg/Kg-dry	1	10/09/12 05:07 PM
Surr: Isopropylbenzene	74.0	0	47-142		%REC	1	10/09/12 05:07 PM
Surr: Octacosane	148	0	25-162		%REC	1	10/09/12 05:07 PM
TPH PURGEABLE BY GC - SOIL							
		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.104	0.207		mg/Kg-dry	1	10/05/12 07:41 PM
Surr: Tetrachlorethene	106	0	70-134		%REC	1	10/05/12 07:41 PM
VOLATILE ORGANICS BY GC							
		SW8021B					Analyst: DEW
Benzene	ND	0.00290	0.00484		mg/Kg-dry	1	10/03/12 07:54 PM
Ethylbenzene	ND	0.00484	0.0145		mg/Kg-dry	1	10/03/12 07:54 PM
Toluene	ND	0.00484	0.0145		mg/Kg-dry	1	10/03/12 07:54 PM
Xylenes, Total	ND	0.00484	0.0145		mg/Kg-dry	1	10/03/12 07:54 PM
Surr: Tetrachloroethene	110	0	79-135		%REC	1	10/03/12 07:54 PM
TOTAL MERCURY: SOIL/SOLID							
		SW7471B					Analyst: LM
Mercury	ND	0.0149	0.0373		mg/Kg-dry	1	10/09/12 03:12 PM
TRACE METALS: ICP-MS - SOLID							
		SW6020A					Analyst: AJR
Arsenic	2.07	0.487	0.973		mg/Kg-dry	5	10/08/12 04:14 PM
Barium	305	0.487	1.95		mg/Kg-dry	5	10/08/12 04:14 PM
Cadmium	0.170	0.0973	0.292	J	mg/Kg-dry	5	10/08/12 04:14 PM
Chromium	5.71	0.487	1.95		mg/Kg-dry	5	10/08/12 04:14 PM
Copper	3.52	0.487	1.95		mg/Kg-dry	5	10/08/12 04:14 PM
Iron	4430	122	122		mg/Kg-dry	50	10/09/12 01:06 PM
Lead	2.79	0.0973	0.292		mg/Kg-dry	5	10/08/12 04:14 PM
Manganese	101	0.487	1.95		mg/Kg-dry	5	10/08/12 04:14 PM
Selenium	0.746	0.146	0.487		mg/Kg-dry	5	10/08/12 04:14 PM
Silver	ND	0.0973	0.195		mg/Kg-dry	5	10/08/12 04:14 PM
Zinc	10.2	0.973	2.43		mg/Kg-dry	5	10/08/12 04:14 PM
TRPH							
		E418.1					Analyst: DEW
Petroleum Hydrocarbons, TR	6.74	5.39	10.8	JN	mg/Kg-dry	1	10/09/12 01:00 PM
ANIONS BY IC METHOD - SOIL							
		E300					Analyst: JBC
Chloride	73.9	5.45	5.45		mg/Kg-dry	1	10/09/12 10:51 AM
Sulfate	464	10.9	10.9		mg/Kg-dry	1	10/09/12 10:51 AM
PERCENT MOISTURE							
		D2216					Analyst: MK
Percent Moisture	8.28	0	0		WT%	1	10/05/12 09:10 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 11-Oct-12

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1210021

Client Sample ID: Cell 20
Lab ID: 1210021-04
Collection Date: 09/27/12 11:30 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL		M8015D					Analyst: DO
TPH-DRO C10-C28	26.9	10.6	10.6		mg/Kg-dry	1	10/09/12 05:16 PM
Surr: Isopropylbenzene	74.2	0	47-142		%REC	1	10/09/12 05:16 PM
Surr: Octacosane	147	0	25-162		%REC	1	10/09/12 05:16 PM
TPH PURGEABLE BY GC - SOIL		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.108	0.216		mg/Kg-dry	1	10/05/12 08:07 PM
Surr: Tetrachlorethene	105	0	70-134		%REC	1	10/05/12 08:07 PM
VOLATILE ORGANICS BY GC		SW8021B					Analyst: DEW
Benzene	ND	0.00336	0.00560		mg/Kg-dry	1	10/03/12 08:21 PM
Ethylbenzene	ND	0.00560	0.0168		mg/Kg-dry	1	10/03/12 08:21 PM
Toluene	ND	0.00560	0.0168		mg/Kg-dry	1	10/03/12 08:21 PM
Xylenes, Total	ND	0.00560	0.0168		mg/Kg-dry	1	10/03/12 08:21 PM
Surr: Tetrachloroethene	107	0	79-135		%REC	1	10/03/12 08:21 PM
TOTAL MERCURY: SOIL/SOLID		SW7471B					Analyst: LM
Mercury	ND	0.0163	0.0407		mg/Kg-dry	1	10/09/12 03:18 PM
TRACE METALS: ICP-MS - SOLID		SW6020A					Analyst: AJR
Arsenic	5.93	0.505	1.01		mg/Kg-dry	5	10/08/12 04:19 PM
Barium	406	0.505	2.02		mg/Kg-dry	5	10/08/12 04:19 PM
Cadmium	0.113	0.101	0.303	J	mg/Kg-dry	5	10/08/12 04:19 PM
Chromium	4.21	0.505	2.02		mg/Kg-dry	5	10/08/12 04:19 PM
Copper	4.34	0.505	2.02		mg/Kg-dry	5	10/08/12 04:19 PM
Iron	2760	126	126		mg/Kg-dry	50	10/09/12 01:12 PM
Lead	1.46	0.101	0.303		mg/Kg-dry	5	10/08/12 04:19 PM
Manganese	33.3	0.505	2.02		mg/Kg-dry	5	10/08/12 04:19 PM
Selenium	0.496	0.152	0.505	J	mg/Kg-dry	5	10/08/12 04:19 PM
Silver	ND	0.101	0.202		mg/Kg-dry	5	10/08/12 04:19 PM
Zinc	7.35	1.01	2.53		mg/Kg-dry	5	10/08/12 04:19 PM
TRPH		E418.1					Analyst: DEW
Petroleum Hydrocarbons, TR	169	5.57	11.1	N	mg/Kg-dry	1	10/09/12 01:00 PM
ANIONS BY IC METHOD - SOIL		E300					Analyst: JBC
Chloride	146	5.61	5.61		mg/Kg-dry	1	10/09/12 11:02 AM
Sulfate	220	11.2	11.2		mg/Kg-dry	1	10/09/12 11:02 AM
PERCENT MOISTURE		D2216					Analyst: MK
Percent Moisture	10.8	0	0		WT%	1	10/05/12 09:10 AM

Qualifiers:

- * Value exceeds TCLP Maximum Concentration Level
- C Sample Result or QC discussed in the Case Narrative
- E TPH pattern not Gas or Diesel Range Pattern
- MDL Method Detection Limit
- RL Reporting Limit
- N Parameter not NELAC certified

- B Analyte detected in the associated Method Blank
- DF Dilution Factor
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- S Spike Recovery outside control limits

DHL Analytical, Inc.

Date: 11-Oct-12

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1210021

Client Sample ID: Cell 21
Lab ID: 1210021-05
Collection Date: 09/27/12 12:00 PM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL							
		M8015D					Analyst: DO
TPH-DRO C10-C28	ND	10.4	10.4		mg/Kg-dry	1	10/09/12 05:24 PM
Surr: Isopropylbenzene	81.0	0	47-142		%REC	1	10/09/12 05:24 PM
Surr: Octacosane	126	0	25-162		%REC	1	10/09/12 05:24 PM
TPH PURGEABLE BY GC - SOIL							
		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.106	0.212		mg/Kg-dry	1	10/05/12 08:32 PM
Surr: Tetrachlorethene	109	0	70-134		%REC	1	10/05/12 08:32 PM
VOLATILE ORGANICS BY GC							
		SW8021B					Analyst: DEW
Benzene	ND	0.00309	0.00515		mg/Kg-dry	1	10/03/12 08:46 PM
Ethylbenzene	ND	0.00515	0.0154		mg/Kg-dry	1	10/03/12 08:46 PM
Toluene	ND	0.00515	0.0154		mg/Kg-dry	1	10/03/12 08:46 PM
Xylenes, Total	ND	0.00515	0.0154		mg/Kg-dry	1	10/03/12 08:46 PM
Surr: Tetrachloroethene	110	0	79-135		%REC	1	10/03/12 08:46 PM
TOTAL MERCURY: SOIL/SOLID							
		SW7471B					Analyst: LM
Mercury	ND	0.0161	0.0402		mg/Kg-dry	1	10/09/12 03:20 PM
TRACE METALS: ICP-MS - SOLID							
		SW6020A					Analyst: AJR
Arsenic	4.24	0.514	1.03		mg/Kg-dry	5	10/08/12 04:26 PM
Barium	266	0.514	2.06		mg/Kg-dry	5	10/08/12 04:26 PM
Cadmium	ND	0.103	0.308		mg/Kg-dry	5	10/08/12 04:26 PM
Chromium	2.96	0.514	2.06		mg/Kg-dry	5	10/08/12 04:26 PM
Copper	3.05	0.514	2.06		mg/Kg-dry	5	10/08/12 04:26 PM
Iron	2420	128	128		mg/Kg-dry	50	10/09/12 01:18 PM
Lead	1.39	0.103	0.308		mg/Kg-dry	5	10/08/12 04:26 PM
Manganese	21.6	0.514	2.06		mg/Kg-dry	5	10/08/12 04:26 PM
Selenium	0.313	0.154	0.514	J	mg/Kg-dry	5	10/08/12 04:26 PM
Silver	ND	0.103	0.206		mg/Kg-dry	5	10/08/12 04:26 PM
Zinc	6.12	1.03	2.57		mg/Kg-dry	5	10/08/12 04:26 PM
TRPH							
		E418.1					Analyst: DEW
Petroleum Hydrocarbons, TR	ND	5.32	10.6	N	mg/Kg-dry	1	10/09/12 01:00 PM
ANIONS BY IC METHOD - SOIL							
		E300					Analyst: JBC
Chloride	ND	5.40	5.40		mg/Kg-dry	1	10/09/12 11:14 AM
Sulfate	54.5	10.8	10.8		mg/Kg-dry	1	10/09/12 11:14 AM
PERCENT MOISTURE							
		D2216					Analyst: MK
Percent Moisture	7.32	0	0		WT%	1	10/05/12 09:10 AM

Qualifiers:	* Value exceeds TCLP Maximum Concentration Level	B Analyte detected in the associated Method Blank
	C Sample Result or QC discussed in the Case Narrative	DF Dilution Factor
	E TPH pattern not Gas or Diesel Range Pattern	J Analyte detected between MDL and RL
	MDL Method Detection Limit	ND Not Detected at the Method Detection Limit
	RL Reporting Limit	S Spike Recovery outside control limits
	N Parameter not NELAC certified	

DHL Analytical, Inc.

Date: 11-Oct-12

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1210021

Client Sample ID: Cell 25
Lab ID: 1210021-06
Collection Date: 09/27/12 12:30 PM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL							Analyst: DO
TPH-DRO C10-C28	ND	10.6	10.6		mg/Kg-dry	1	10/09/12 05:33 PM
Surr: Isopropylbenzene	70.9	0	47-142		%REC	1	10/09/12 05:33 PM
Surr: Octacosane	119	0	25-162		%REC	1	10/09/12 05:33 PM
TPH PURGEABLE BY GC - SOIL							Analyst: DEW
Gasoline Range Organics	ND	0.104	0.208		mg/Kg-dry	1	10/05/12 08:58 PM
Surr: Tetrachlorethene	108	0	70-134		%REC	1	10/05/12 08:58 PM
VOLATILE ORGANICS BY GC							Analyst: DEW
Benzene	ND	0.00327	0.00545		mg/Kg-dry	1	10/03/12 09:11 PM
Ethylbenzene	ND	0.00545	0.0163		mg/Kg-dry	1	10/03/12 09:11 PM
Toluene	ND	0.00545	0.0163		mg/Kg-dry	1	10/03/12 09:11 PM
Xylenes, Total	ND	0.00545	0.0163		mg/Kg-dry	1	10/03/12 09:11 PM
Surr: Tetrachloroethene	112	0	79-135		%REC	1	10/03/12 09:11 PM
TOTAL MERCURY: SOIL/SOLID							Analyst: LM
Mercury	ND	0.0156	0.0390		mg/Kg-dry	1	10/09/12 03:22 PM
TRACE METALS: ICP-MS - SOLID							Analyst: AJR
Arsenic	2.17	0.529	1.06		mg/Kg-dry	5	10/08/12 04:32 PM
Barium	363	0.529	2.12		mg/Kg-dry	5	10/08/12 04:32 PM
Cadmium	0.168	0.106	0.317	J	mg/Kg-dry	5	10/08/12 04:32 PM
Chromium	3.78	0.529	2.12		mg/Kg-dry	5	10/08/12 04:32 PM
Copper	2.42	0.529	2.12		mg/Kg-dry	5	10/08/12 04:32 PM
Iron	2850	132	132		mg/Kg-dry	50	10/09/12 01:24 PM
Lead	2.00	0.106	0.317		mg/Kg-dry	5	10/08/12 04:32 PM
Manganese	31.4	0.529	2.12		mg/Kg-dry	5	10/08/12 04:32 PM
Selenium	0.509	0.159	0.529	J	mg/Kg-dry	5	10/08/12 04:32 PM
Silver	ND	0.106	0.212		mg/Kg-dry	5	10/08/12 04:32 PM
Zinc	8.03	1.06	2.65		mg/Kg-dry	5	10/08/12 04:32 PM
TRPH							Analyst: DEW
Petroleum Hydrocarbons, TR	ND	5.53	11.1	N	mg/Kg-dry	1	10/09/12 01:00 PM
ANIONS BY IC METHOD - SOIL							Analyst: JBC
Chloride	ND	5.54	5.54		mg/Kg-dry	1	10/09/12 11:40 AM
Sulfate	65.8	11.1	11.1		mg/Kg-dry	1	10/09/12 11:40 AM
PERCENT MOISTURE							Analyst: MK
Percent Moisture	9.98	0	0		WT%	1	10/05/12 09:10 AM

Qualifiers: * Value exceeds TCLP Maximum Concentration Level
C Sample Result or QC discussed in the Case Narrative
E TPH pattern not Gas or Diesel Range Pattern
MDL Method Detection Limit
RL Reporting Limit
N Parameter not NELAC certified

B Analyte detected in the associated Method Blank
DF Dilution Factor
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
S Spike Recovery outside control limits

DHL Analytical, Inc.

Date: 11-Oct-12

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1210021

Client Sample ID: Cell 26
Lab ID: 1210021-07
Collection Date: 09/27/12 01:00 PM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL							
		M8015D					Analyst: DO
TPH-DRO C10-C28	ND	10.5	10.5		mg/Kg-dry	1	10/09/12 05:41 PM
Surr: Isopropylbenzene	77.1	0	47-142		%REC	1	10/09/12 05:41 PM
Surr: Octacosane	128	0	25-162		%REC	1	10/09/12 05:41 PM
TPH PURGEABLE BY GC - SOIL							
		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.0989	0.198		mg/Kg-dry	1	10/05/12 09:24 PM
Surr: Tetrachlorethene	107	0	70-134		%REC	1	10/05/12 09:24 PM
VOLATILE ORGANICS BY GC							
		SW8021B					Analyst: DEW
Benzene	ND	0.00295	0.00492		mg/Kg-dry	1	10/03/12 09:37 PM
Ethylbenzene	ND	0.00492	0.0148		mg/Kg-dry	1	10/03/12 09:37 PM
Toluene	ND	0.00492	0.0148		mg/Kg-dry	1	10/03/12 09:37 PM
Xylenes, Total	ND	0.00492	0.0148		mg/Kg-dry	1	10/03/12 09:37 PM
Surr: Tetrachloroethene	108	0	79-135		%REC	1	10/03/12 09:37 PM
TOTAL MERCURY: SOIL/SOLID							
		SW7471B					Analyst: LM
Mercury	ND	0.0174	0.0434		mg/Kg-dry	1	10/09/12 03:24 PM
TRACE METALS: ICP-MS - SOLID							
		SW6020A					Analyst: AJR
Arsenic	3.27	0.543	1.09		mg/Kg-dry	5	10/08/12 04:38 PM
Barium	428	0.543	2.17		mg/Kg-dry	5	10/08/12 04:38 PM
Cadmium	0.173	0.109	0.326	J	mg/Kg-dry	5	10/08/12 04:38 PM
Chromium	4.58	0.543	2.17		mg/Kg-dry	5	10/08/12 04:38 PM
Copper	4.53	0.543	2.17		mg/Kg-dry	5	10/08/12 04:38 PM
Iron	3370	136	136		mg/Kg-dry	50	10/09/12 01:30 PM
Lead	2.29	0.109	0.326		mg/Kg-dry	5	10/08/12 04:38 PM
Manganese	48.5	0.543	2.17		mg/Kg-dry	5	10/08/12 04:38 PM
Selenium	0.552	0.163	0.543		mg/Kg-dry	5	10/08/12 04:38 PM
Silver	ND	0.109	0.217		mg/Kg-dry	5	10/08/12 04:38 PM
Zinc	9.46	1.09	2.71		mg/Kg-dry	5	10/08/12 04:38 PM
TRPH							
		E418.1					Analyst: DEW
Petroleum Hydrocarbons, TR	8.22	5.48	11.0	JN	mg/Kg-dry	1	10/09/12 01:00 PM
ANIONS BY IC METHOD - SOIL							
		E300					Analyst: JBC
Chloride	ND	5.43	5.43		mg/Kg-dry	1	10/09/12 11:52 AM
Sulfate	102	10.9	10.9		mg/Kg-dry	1	10/09/12 11:52 AM
PERCENT MOISTURE							
		D2216					Analyst: MK
Percent Moisture	8.78	0	0		WT%	1	10/05/12 09:10 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 11-Oct-12

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1210021

Client Sample ID: Cell 17 Treat
Lab ID: 1210021-08
Collection Date: 09/27/12 10:00 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL							Analyst: DO
TPH-DRO C10-C28	85.0	9.83	9.83		mg/Kg-dry	1	10/09/12 05:50 PM
Surr: Isopropylbenzene	80.7	0	47-142		%REC	1	10/09/12 05:50 PM
Surr: Octacosane	156	0	25-162		%REC	1	10/09/12 05:50 PM
TPH PURGEABLE BY GC - SOIL							Analyst: DEW
Gasoline Range Organics	ND	0.0971	0.194		mg/Kg-dry	1	10/05/12 09:49 PM
Surr: Tetrachlorethene	120	0	70-134		%REC	1	10/05/12 09:49 PM
VOLATILE ORGANICS BY GC							Analyst: DEW
Benzene	ND	0.00301	0.00502		mg/Kg-dry	1	10/03/12 10:03 PM
Ethylbenzene	ND	0.00502	0.0151		mg/Kg-dry	1	10/03/12 10:03 PM
Toluene	ND	0.00502	0.0151		mg/Kg-dry	1	10/03/12 10:03 PM
Xylenes, Total	ND	0.00502	0.0151		mg/Kg-dry	1	10/03/12 10:03 PM
Surr: Tetrachloroethene	112	0	79-135		%REC	1	10/03/12 10:03 PM
TOTAL MERCURY: SOIL/SOLID							Analyst: LM
Mercury	0.0219	0.0148	0.0371	J	mg/Kg-dry	1	10/09/12 03:27 PM
TRACE METALS: ICP-MS - SOLID							Analyst: AJR
Arsenic	2.49	0.511	1.02		mg/Kg-dry	5	10/08/12 04:44 PM
Barium	91.2	0.511	2.04		mg/Kg-dry	5	10/08/12 04:44 PM
Cadmium	0.144	0.102	0.307	J	mg/Kg-dry	5	10/08/12 04:44 PM
Chromium	9.44	0.511	2.04		mg/Kg-dry	5	10/08/12 04:44 PM
Copper	5.04	0.511	2.04		mg/Kg-dry	5	10/08/12 04:44 PM
Iron	7740	128	128		mg/Kg-dry	50	10/09/12 01:35 PM
Lead	11.8	0.102	0.307		mg/Kg-dry	5	10/08/12 04:44 PM
Manganese	97.5	0.511	2.04		mg/Kg-dry	5	10/08/12 04:44 PM
Selenium	0.829	0.153	0.511		mg/Kg-dry	5	10/08/12 04:44 PM
Silver	ND	0.102	0.204		mg/Kg-dry	5	10/08/12 04:44 PM
Zinc	21.8	1.02	2.56		mg/Kg-dry	5	10/08/12 04:44 PM
TRPH							Analyst: DEW
Petroleum Hydrocarbons, TR	37.1	5.20	10.4	N	mg/Kg-dry	1	10/09/12 01:00 PM
ANIONS BY IC METHOD - SOIL							Analyst: JBC
Chloride	34.3	5.13	5.13		mg/Kg-dry	1	10/09/12 12:04 PM
Sulfate	126	10.3	10.3		mg/Kg-dry	1	10/09/12 12:04 PM
PERCENT MOISTURE							Analyst: MK
Percent Moisture	4.09	0	0		WT%	1	10/05/12 09:10 AM

Qualifiers:

- * Value exceeds TCLP Maximum Concentration Level
- C Sample Result or QC discussed in the Case Narrative
- E TPH pattern not Gas or Diesel Range Pattern
- MDL Method Detection Limit
- RL Reporting Limit
- N Parameter not NELAC certified

- B Analyte detected in the associated Method Blank
- DF Dilution Factor
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- S Spike Recovery outside control limits

DHL Analytical, Inc.

Date: 11-Oct-12

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1210021

Client Sample ID: Cell 18 Treat
Lab ID: 1210021-09
Collection Date: 09/27/12 10:30 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL							
		M8015D					Analyst: DO
TPH-DRO C10-C28	47.6	9.67	9.67		mg/Kg-dry	1	10/09/12 07:14 PM
Surr: Isopropylbenzene	78.1	0	47-142		%REC	1	10/09/12 07:14 PM
Surr: Octacosane	157	0	25-162		%REC	1	10/09/12 07:14 PM
TPH PURGEABLE BY GC - SOIL							
		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.0973	0.195		mg/Kg-dry	1	10/06/12 12:48 AM
Surr: Tetrachlorethene	120	0	70-134		%REC	1	10/06/12 12:48 AM
VOLATILE ORGANICS BY GC							
		SW8021B					Analyst: DEW
Benzene	ND	0.00271	0.00452		mg/Kg-dry	1	10/04/12 01:01 AM
Ethylbenzene	ND	0.00452	0.0136		mg/Kg-dry	1	10/04/12 01:01 AM
Toluene	ND	0.00452	0.0136		mg/Kg-dry	1	10/04/12 01:01 AM
Xylenes, Total	ND	0.00452	0.0136		mg/Kg-dry	1	10/04/12 01:01 AM
Surr: Tetrachloroethene	118	0	79-135		%REC	1	10/04/12 01:01 AM
TOTAL MERCURY: SOIL/SOLID							
		SW7471B					Analyst: LM
Mercury	0.0215	0.0142	0.0354	J	mg/Kg-dry	1	10/09/12 03:29 PM
TRACE METALS: ICP-MS - SOLID							
		SW6020A					Analyst: AJR
Arsenic	3.77	0.515	1.03		mg/Kg-dry	5	10/08/12 04:50 PM
Barium	184	0.515	2.06		mg/Kg-dry	5	10/08/12 04:50 PM
Cadmium	0.157	0.103	0.309	J	mg/Kg-dry	5	10/08/12 04:50 PM
Chromium	8.43	0.515	2.06		mg/Kg-dry	5	10/08/12 04:50 PM
Copper	5.49	0.515	2.06		mg/Kg-dry	5	10/08/12 04:50 PM
Iron	6230	129	129		mg/Kg-dry	50	10/09/12 01:41 PM
Lead	11.2	0.103	0.309		mg/Kg-dry	5	10/08/12 04:50 PM
Manganese	90.4	0.515	2.06		mg/Kg-dry	5	10/08/12 04:50 PM
Selenium	0.730	0.155	0.515		mg/Kg-dry	5	10/08/12 04:50 PM
Silver	ND	0.103	0.206		mg/Kg-dry	5	10/08/12 04:50 PM
Zinc	24.1	1.03	2.58		mg/Kg-dry	5	10/08/12 04:50 PM
TRPH							
		E418.1					Analyst: DEW
Petroleum Hydrocarbons, TR	70.6	5.23	10.5	N	mg/Kg-dry	1	10/09/12 01:00 PM
ANIONS BY IC METHOD - SOIL							
		E300					Analyst: JBC
Chloride	ND	5.19	5.19		mg/Kg-dry	1	10/09/12 12:15 PM
Sulfate	72.0	10.4	10.4		mg/Kg-dry	1	10/09/12 12:15 PM
PERCENT MOISTURE							
		D2216					Analyst: MK
Percent Moisture	4.83	0	0		WT%	1	10/05/12 09:10 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 11-Oct-12

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1210021

Client Sample ID: Cell 19 Treat
Lab ID: 1210021-10
Collection Date: 09/27/12 11:00 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL							
		M8015D					Analyst: DO
TPH-DRO C10-C28	41.9	10.2	10.2		mg/Kg-dry	1	10/09/12 07:06 PM
Surr: Isopropylbenzene	82.2	0	47-142		%REC	1	10/09/12 07:06 PM
Surr: Octacosane	190	0	25-162	S	%REC	1	10/09/12 07:06 PM
TPH PURGEABLE BY GC - SOIL							
		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.0991	0.198		mg/Kg-dry	1	10/06/12 01:13 AM
Surr: Tetrachlorethene	119	0	70-134		%REC	1	10/06/12 01:13 AM
VOLATILE ORGANICS BY GC							
		SW8021B					Analyst: DEW
Benzene	ND	0.00273	0.00454		mg/Kg-dry	1	10/04/12 01:27 AM
Ethylbenzene	ND	0.00454	0.0136		mg/Kg-dry	1	10/04/12 01:27 AM
Toluene	ND	0.00454	0.0136		mg/Kg-dry	1	10/04/12 01:27 AM
Xylenes, Total	ND	0.00454	0.0136		mg/Kg-dry	1	10/04/12 01:27 AM
Surr: Tetrachloroethene	116	0	79-135		%REC	1	10/04/12 01:27 AM
TOTAL MERCURY: SOIL/SOLID							
		SW7471B					Analyst: LM
Mercury	ND	0.0148	0.0370		mg/Kg-dry	1	10/09/12 03:31 PM
TRACE METALS: ICP-MS - SOLID							
		SW6020A					Analyst: AJR
Arsenic	2.16	0.497	0.993		mg/Kg-dry	5	10/08/12 06:04 PM
Barium	182	0.497	1.99		mg/Kg-dry	5	10/08/12 06:04 PM
Cadmium	0.108	0.0993	0.298	J	mg/Kg-dry	5	10/08/12 06:04 PM
Chromium	7.40	0.497	1.99		mg/Kg-dry	5	10/08/12 06:04 PM
Copper	2.85	0.497	1.99		mg/Kg-dry	5	10/08/12 06:04 PM
Iron	5640	124	124		mg/Kg-dry	50	10/09/12 07:43 PM
Lead	3.94	0.0993	0.298		mg/Kg-dry	5	10/08/12 06:04 PM
Manganese	49.2	0.497	1.99		mg/Kg-dry	5	10/08/12 06:04 PM
Selenium	0.537	0.149	0.497		mg/Kg-dry	5	10/08/12 06:04 PM
Silver	ND	0.0993	0.199		mg/Kg-dry	5	10/08/12 06:04 PM
Zinc	15.0	0.993	2.48		mg/Kg-dry	5	10/08/12 06:04 PM
TRPH							
		E418.1					Analyst: DEW
Petroleum Hydrocarbons, TR	88.5	5.25	10.5	N	mg/Kg-dry	1	10/09/12 01:00 PM
ANIONS BY IC METHOD - SOIL							
		E300					Analyst: JBC
Chloride	9.84	5.24	5.24		mg/Kg-dry	1	10/09/12 12:27 PM
Sulfate	823	10.5	10.5		mg/Kg-dry	1	10/09/12 12:27 PM
PERCENT MOISTURE							
		D2216					Analyst: MK
Percent Moisture	5.00	0	0		WT%	1	10/05/12 09:10 AM

Qualifiers:

- * Value exceeds TCLP Maximum Concentration Level
- C Sample Result or QC discussed in the Case Narrative
- E TPH pattern not Gas or Diesel Range Pattern
- MDL Method Detection Limit
- RL Reporting Limit
- N Parameter not NELAC certified

- B Analyte detected in the associated Method Blank
- DF Dilution Factor
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- S Spike Recovery outside control limits

DHL Analytical, Inc.

Date: 11-Oct-12

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1210021

Client Sample ID: Cell 20 Treat
Lab ID: 1210021-11
Collection Date: 09/27/12 11:30 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL							
		M8015D		Analyst: DO			
TPH-DRO C10-C28	142	10.1	10.1		mg/Kg-dry	1	10/09/12 07:31 PM
Surr: Isopropylbenzene	86.1	0	47-142		%REC	1	10/09/12 07:31 PM
Surr: Octacosane	224	0	25-162	S	%REC	1	10/09/12 07:31 PM
TPH PURGEABLE BY GC - SOIL							
		M8015V		Analyst: DEW			
Gasoline Range Organics	ND	0.103	0.205		mg/Kg-dry	1	10/06/12 01:39 AM
Surr: Tetrachlorethene	116	0	70-134		%REC	1	10/06/12 01:39 AM
VOLATILE ORGANICS BY GC							
		SW8021B		Analyst: DEW			
Benzene	ND	0.00289	0.00482		mg/Kg-dry	1	10/04/12 01:53 AM
Ethylbenzene	ND	0.00482	0.0145		mg/Kg-dry	1	10/04/12 01:53 AM
Toluene	ND	0.00482	0.0145		mg/Kg-dry	1	10/04/12 01:53 AM
Xylenes, Total	ND	0.00482	0.0145		mg/Kg-dry	1	10/04/12 01:53 AM
Surr: Tetrachloroethene	111	0	79-135		%REC	1	10/04/12 01:53 AM
TOTAL MERCURY: SOIL/SOLID							
		SW7471B		Analyst: LM			
Mercury	0.0299	0.0164	0.0410	J	mg/Kg-dry	1	10/09/12 03:33 PM
TRACE METALS: ICP-MS - SOLID							
		SW6020A		Analyst: AJR			
Arsenic	2.19	0.456	0.913		mg/Kg-dry	5	10/08/12 06:10 PM
Barium	195	0.456	1.83		mg/Kg-dry	5	10/08/12 06:10 PM
Cadmium	0.134	0.0913	0.274	J	mg/Kg-dry	5	10/08/12 06:10 PM
Chromium	7.76	0.456	1.83		mg/Kg-dry	5	10/08/12 06:10 PM
Copper	2.80	0.456	1.83		mg/Kg-dry	5	10/08/12 06:10 PM
Iron	5860	114	114		mg/Kg-dry	50	10/09/12 07:49 PM
Lead	4.09	0.0913	0.274		mg/Kg-dry	5	10/08/12 06:10 PM
Manganese	48.4	0.456	1.83		mg/Kg-dry	5	10/08/12 06:10 PM
Selenium	0.565	0.137	0.456		mg/Kg-dry	5	10/08/12 06:10 PM
Silver	ND	0.0913	0.183		mg/Kg-dry	5	10/08/12 06:10 PM
Zinc	13.8	0.913	2.28		mg/Kg-dry	5	10/08/12 06:10 PM
TRPH							
		E418.1		Analyst: DEW			
Petroleum Hydrocarbons, TR	267	5.24	10.5	N	mg/Kg-dry	1	10/09/12 01:00 PM
ANIONS BY IC METHOD - SOIL							
		E300		Analyst: JBC			
Chloride	40.0	5.17	5.17		mg/Kg-dry	1	10/09/12 12:39 PM
Sulfate	1270	103	103		mg/Kg-dry	10	10/09/12 03:06 PM
PERCENT MOISTURE							
		D2216		Analyst: MK			
Percent Moisture	5.56	0	0		WT%	1	10/05/12 09:10 AM

Qualifiers:	* Value exceeds TCLP Maximum Concentration Level	B Analyte detected in the associated Method Blank
	C Sample Result or QC discussed in the Case Narrative	DF Dilution Factor
	E TPH pattern not Gas or Diesel Range Pattern	J Analyte detected between MDL and RL
	MDL Method Detection Limit	ND Not Detected at the Method Detection Limit
	RL Reporting Limit	S Spike Recovery outside control limits
	N Parameter not NELAC certified	

DHL Analytical, Inc.

Date: 11-Oct-12

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1210021

Client Sample ID: Cell 21 Treat
Lab ID: 1210021-12
Collection Date: 09/27/12 12:00 PM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL							
		M8015D					Analyst: DO
TPH-DRO C10-C28	49.1	10.0	10.0		mg/Kg-dry	1	10/09/12 06:49 PM
Surr: Isopropylbenzene	90.8	0	47-142		%REC	1	10/09/12 06:49 PM
Surr: Octacosane	141	0	25-162		%REC	1	10/09/12 06:49 PM
TPH PURGEABLE BY GC - SOIL							
		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.0918	0.184		mg/Kg-dry	1	10/06/12 02:05 AM
Surr: Tetrachlorethene	118	0	70-134		%REC	1	10/06/12 02:05 AM
VOLATILE ORGANICS BY GC							
		SW8021B					Analyst: DEW
Benzene	ND	0.00283	0.00471		mg/Kg-dry	1	10/04/12 02:19 AM
Ethylbenzene	ND	0.00471	0.0141		mg/Kg-dry	1	10/04/12 02:19 AM
Toluene	ND	0.00471	0.0141		mg/Kg-dry	1	10/04/12 02:19 AM
Xylenes, Total	ND	0.00471	0.0141		mg/Kg-dry	1	10/04/12 02:19 AM
Surr: Tetrachloroethene	117	0	79-135		%REC	1	10/04/12 02:19 AM
TOTAL MERCURY: SOIL/SOLID							
		SW7471B					Analyst: LM
Mercury	ND	0.0161	0.0401		mg/Kg-dry	1	10/09/12 03:35 PM
TRACE METALS: ICP-MS - SOLID							
		SW6020A					Analyst: AJR
Arsenic	2.29	0.511	1.02		mg/Kg-dry	5	10/08/12 06:16 PM
Barium	110	0.511	2.04		mg/Kg-dry	5	10/08/12 06:16 PM
Cadmium	0.121	0.102	0.307	J	mg/Kg-dry	5	10/08/12 06:16 PM
Chromium	8.29	0.511	2.04		mg/Kg-dry	5	10/08/12 06:16 PM
Copper	3.01	0.511	2.04		mg/Kg-dry	5	10/08/12 06:16 PM
Iron	6520	128	128		mg/Kg-dry	50	10/09/12 07:55 PM
Lead	4.95	0.102	0.307		mg/Kg-dry	5	10/08/12 06:16 PM
Manganese	64.7	0.511	2.04		mg/Kg-dry	5	10/08/12 06:16 PM
Selenium	0.653	0.153	0.511		mg/Kg-dry	5	10/08/12 06:16 PM
Silver	ND	0.102	0.204		mg/Kg-dry	5	10/08/12 06:16 PM
Zinc	21.5	1.02	2.55		mg/Kg-dry	5	10/08/12 06:16 PM
TRPH							
		E418.1					Analyst: DEW
Petroleum Hydrocarbons, TR	102	5.21	10.4	N	mg/Kg-dry	1	10/09/12 01:00 PM
ANIONS BY IC METHOD - SOIL							
		E300					Analyst: JBC
Chloride	12.2	5.09	5.09		mg/Kg-dry	1	10/09/12 12:50 PM
Sulfate	371	10.2	10.2		mg/Kg-dry	1	10/09/12 12:50 PM
PERCENT MOISTURE							
		D2216					Analyst: MK
Percent Moisture	4.06	0	0		WT%	1	10/05/12 09:10 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 11-Oct-12

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1210021

Client Sample ID: Cell 25 Treat
Lab ID: 1210021-13
Collection Date: 09/27/12 12:30 PM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL							
		M8015D					Analyst: DO
TPH-DRO C10-C28	40.7	10.2	10.2		mg/Kg-dry	1	10/09/12 05:58 PM
Surr: Isopropylbenzene	89.5	0	47-142		%REC	1	10/09/12 05:58 PM
Surr: Octacosane	141	0	25-162		%REC	1	10/09/12 05:58 PM
TPH PURGEABLE BY GC - SOIL							
		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.101	0.202		mg/Kg-dry	1	10/06/12 02:30 AM
Surr: Tetrachlorethene	116	0	70-134		%REC	1	10/06/12 02:30 AM
VOLATILE ORGANICS BY GC							
		SW8021B					Analyst: DEW
Benzene	ND	0.00288	0.00480		mg/Kg-dry	1	10/04/12 02:44 AM
Ethylbenzene	ND	0.00480	0.0144		mg/Kg-dry	1	10/04/12 02:44 AM
Toluene	ND	0.00480	0.0144		mg/Kg-dry	1	10/04/12 02:44 AM
Xylenes, Total	ND	0.00480	0.0144		mg/Kg-dry	1	10/04/12 02:44 AM
Surr: Tetrachloroethene	115	0	79-135		%REC	1	10/04/12 02:44 AM
TOTAL MERCURY: SOIL/SOLID							
		SW7471B					Analyst: LM
Mercury	ND	0.0158	0.0395		mg/Kg-dry	1	10/09/12 03:37 PM
TRACE METALS: ICP-MS - SOLID							
		SW6020A					Analyst: AJR
Arsenic	2.38	0.497	0.994		mg/Kg-dry	5	10/08/12 06:22 PM
Barium	70.3	0.497	1.99		mg/Kg-dry	5	10/08/12 06:22 PM
Cadmium	0.124	0.0994	0.298	J	mg/Kg-dry	5	10/08/12 06:22 PM
Chromium	7.48	0.497	1.99		mg/Kg-dry	5	10/08/12 06:22 PM
Copper	3.13	0.497	1.99		mg/Kg-dry	5	10/08/12 06:22 PM
Iron	6060	124	124		mg/Kg-dry	50	10/09/12 08:01 PM
Lead	4.78	0.0994	0.298		mg/Kg-dry	5	10/08/12 06:22 PM
Manganese	69.1	0.497	1.99		mg/Kg-dry	5	10/08/12 06:22 PM
Selenium	0.710	0.149	0.497		mg/Kg-dry	5	10/08/12 06:22 PM
Silver	ND	0.0994	0.199		mg/Kg-dry	5	10/08/12 06:22 PM
Zinc	20.8	0.994	2.49		mg/Kg-dry	5	10/08/12 06:22 PM
TRPH							
		E418.1					Analyst: DEW
Petroleum Hydrocarbons, TR	58.1	5.11	10.2	N	mg/Kg-dry	1	10/09/12 01:00 PM
ANIONS BY IC METHOD - SOIL							
		E300					Analyst: JBC
Chloride	ND	5.17	5.17		mg/Kg-dry	1	10/09/12 01:15 PM
Sulfate	36.4	10.3	10.3		mg/Kg-dry	1	10/09/12 01:15 PM
PERCENT MOISTURE							
		D2216					Analyst: MK
Percent Moisture	3.29	0	0		WT%	1	10/05/12 09:10 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 11-Oct-12

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1210021

Client Sample ID: Cell 26 Treat
Lab ID: 1210021-14
Collection Date: 09/27/12 01:00 PM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL							
		M8015D					Analyst: DO
TPH-DRO C10-C28	250	9.61	9.61		mg/Kg-dry	1	10/09/12 08:05 PM
Surr: Isopropylbenzene	97.1	0	47-142		%REC	1	10/09/12 08:05 PM
Surr: Octacosane	282	0	25-162	S	%REC	1	10/09/12 08:05 PM
TPH PURGEABLE BY GC - SOIL							
		M8015V					Analyst: DEW
Gasoline Range Organics	ND	0.0936	0.187		mg/Kg-dry	1	10/06/12 02:55 AM
Surr: Tetrachlorethene	119	0	70-134		%REC	1	10/06/12 02:55 AM
VOLATILE ORGANICS BY GC							
		SW8021B					Analyst: DEW
Benzene	ND	0.00306	0.00509		mg/Kg-dry	1	10/04/12 03:09 AM
Ethylbenzene	ND	0.00509	0.0153		mg/Kg-dry	1	10/04/12 03:09 AM
Toluene	ND	0.00509	0.0153		mg/Kg-dry	1	10/04/12 03:09 AM
Xylenes, Total	ND	0.00509	0.0153		mg/Kg-dry	1	10/04/12 03:09 AM
Surr: Tetrachloroethene	117	0	79-135		%REC	1	10/04/12 03:09 AM
TOTAL MERCURY: SOIL/SOLID							
		SW7471B					Analyst: LM
Mercury	ND	0.0139	0.0347		mg/Kg-dry	1	10/09/12 02:41 PM
TRACE METALS: ICP-MS - SOLID							
		SW6020A					Analyst: AJR
Arsenic	2.19	0.485	0.969		mg/Kg-dry	5	10/08/12 03:50 PM
Barium	52.4	0.485	1.94		mg/Kg-dry	5	10/08/12 03:50 PM
Cadmium	0.0983	0.0969	0.291	J	mg/Kg-dry	5	10/08/12 03:50 PM
Chromium	7.63	0.485	1.94		mg/Kg-dry	5	10/08/12 03:50 PM
Copper	3.17	0.485	1.94		mg/Kg-dry	5	10/08/12 03:50 PM
Iron	6050	121	121		mg/Kg-dry	50	10/09/12 12:42 PM
Lead	4.32	0.0969	0.291		mg/Kg-dry	5	10/08/12 03:50 PM
Manganese	62.5	0.485	1.94		mg/Kg-dry	5	10/08/12 03:50 PM
Selenium	0.691	0.145	0.485		mg/Kg-dry	5	10/08/12 03:50 PM
Silver	ND	0.0969	0.194		mg/Kg-dry	5	10/08/12 03:50 PM
Zinc	19.4	0.969	2.42		mg/Kg-dry	5	10/08/12 03:50 PM
TRPH							
		E418.1					Analyst: DEW
Petroleum Hydrocarbons, TR	921	51.9	104	N	mg/Kg-dry	10	10/09/12 01:00 PM
ANIONS BY IC METHOD - SOIL							
		E300					Analyst: JBC
Chloride	ND	5.15	5.15		mg/Kg-dry	1	10/09/12 01:27 PM
Sulfate	68.3	10.3	10.3		mg/Kg-dry	1	10/09/12 01:27 PM
PERCENT MOISTURE							
		D2216					Analyst: MK
Percent Moisture	3.59	0	0		WT%	1	10/05/12 09:10 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	N	Parameter not NELAC certified		

CLIENT: Larson & Associates

Work Order: 1210021

Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_121009A

The QC data in batch 54115 applies to the following samples: 1210021-01C, 1210021-02C, 1210021-03C, 1210021-04C, 1210021-05C, 1210021-06C, 1210021-07C, 1210021-08C, 1210021-09C, 1210021-10C, 1210021-11C, 1210021-12C, 1210021-13C, 1210021-14C

Sample ID: LCS-54115	Batch ID: 54115	TestNo: M8015D	Units: mg/Kg
SampType: LCS	Run ID: GC15_121009A	Analysis Date: 10/9/2012 2:52:06 PM	Prep Date: 10/5/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	114	10.0	125.0	0	91.3	50	114			
Surr: Isopropylbenzene	6.11		7.500		81.5	47	142			
Surr: Octacosane	8.84		7.500		118	25	162			

Sample ID: MB-54115	Batch ID: 54115	TestNo: M8015D	Units: mg/Kg
SampType: MBLK	Run ID: GC15_121009A	Analysis Date: 10/9/2012 3:17:32 PM	Prep Date: 10/5/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	ND	10.0								
Surr: Isopropylbenzene	6.08		7.500		81.1	47	142			
Surr: Octacosane	8.53		7.500		114	25	162			

Sample ID: 1210021-01CMS	Batch ID: 54115	TestNo: M8015D	Units: mg/Kg-dry
SampType: MS	Run ID: GC15_121009A	Analysis Date: 10/9/2012 9:38:49 PM	Prep Date: 10/5/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	123	10.6	132.2	0	92.8	50	114			
Surr: Isopropylbenzene	4.50		7.929		56.7	47	142			
Surr: Octacosane	9.07		7.929		114	25	162			

Sample ID: 1210021-01CMSD	Batch ID: 54115	TestNo: M8015D	Units: mg/Kg-dry
SampType: MSD	Run ID: GC15_121009A	Analysis Date: 10/9/2012 9:47:17 PM	Prep Date: 10/5/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	122	11.0	137.7	0	88.3	50	114	0.861	30	
Surr: Isopropylbenzene	6.85		8.259		83.0	47	142	0	0	
Surr: Octacosane	9.18		8.259		111	25	162	0	0	

Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

- DF Dilution Factor
- MDL Method Detection Limit
- R RPD outside accepted control limits
- S Spike Recovery outside control limits
- N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1210021
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_121009A

Sample ID: ICV-121009	Batch ID: R62911	TestNo: M8015D	Units: mg/Kg
SampType: ICV	Run ID: GC15_121009A	Analysis Date: 10/9/2012 2:24:36 PM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	502	10.0	500.0	0	100	80	120			
Surr: Isopropylbenzene	22.9		25.00		91.7	47	142			
Surr: Octacosane	24.1		25.00		96.5	25	162			

Sample ID: CCV1-121009	Batch ID: R62911	TestNo: M8015D	Units: mg/Kg
SampType: CCV	Run ID: GC15_121009A	Analysis Date: 10/9/2012 4:25:15 PM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	288	10.0	250.0	0	115	80	120			
Surr: Isopropylbenzene	12.5		12.50		100	47	142			
Surr: Octacosane	13.8		12.50		110	25	162			

Sample ID: CCV2-121009	Batch ID: R62911	TestNo: M8015D	Units: mg/Kg
SampType: CCV	Run ID: GC15_121009A	Analysis Date: 10/9/2012 6:15:25 PM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	290	10.0	250.0	0	116	80	120			
Surr: Isopropylbenzene	12.6		12.50		101	47	142			
Surr: Octacosane	13.0		12.50		104	25	162			

Sample ID: CCV3-121009	Batch ID: R62911	TestNo: M8015D	Units: mg/Kg
SampType: CCV	Run ID: GC15_121009A	Analysis Date: 10/9/2012 8:30:58 PM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	261	10.0	250.0	0	105	80	120			
Surr: Isopropylbenzene	12.4		12.50		99.5	47	142			
Surr: Octacosane	12.1		12.50		96.5	25	162			

Sample ID: CCV4-121009	Batch ID: R62911	TestNo: M8015D	Units: mg/Kg
SampType: CCV	Run ID: GC15_121009A	Analysis Date: 10/9/2012 10:04:13 PM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	273	10.0	250.0	0	109	80	120			
Surr: Isopropylbenzene	12.0		12.50		96.3	47	142			
Surr: Octacosane	12.3		12.50		98.1	25	162			

Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

- DF Dilution Factor
- MDL Method Detection Limit
- R RPD outside accepted control limits
- S Spike Recovery outside control limits
- N Parameter not NELAC certified

CLIENT: Larson & Associates

Work Order: 1210021

Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_121003A

The QC data in batch 54092 applies to the following samples: 1210021-01A, 1210021-02A, 1210021-03A, 1210021-04A, 1210021-05A, 1210021-06A, 1210021-07A, 1210021-08A

Sample ID: LCS-54092	Batch ID: 54092	TestNo: SW8021B	Units: mg/Kg
SampType: LCS	Run ID: GC4_121003A	Analysis Date: 10/3/2012 11:52:27 AM	Prep Date: 10/3/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.0937	0.00500	0.1000	0	93.7	65	113			
Toluene	0.0954	0.0150	0.1000	0	95.4	73	115			
Ethylbenzene	0.0963	0.0150	0.1000	0	96.3	74	118			
Xylenes, Total	0.291	0.0150	0.3000	0	96.9	73	119			
Surr: Tetrachloroethene	0.198		0.2000		98.8	79	135			

Sample ID: MB-54092	Batch ID: 54092	TestNo: SW8021B	Units: mg/Kg
SampType: MBLK	Run ID: GC4_121003A	Analysis Date: 10/3/2012 12:42:30 PM	Prep Date: 10/3/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.00500								
Toluene	ND	0.0150								
Ethylbenzene	ND	0.0150								
Xylenes, Total	ND	0.0150								
Surr: Tetrachloroethene	0.181		0.2000		90.5	79	135			

Sample ID: 1210021-08AMS	Batch ID: 54092	TestNo: SW8021B	Units: mg/Kg-dry
SampType: MS	Run ID: GC4_121003A	Analysis Date: 10/3/2012 10:29:00 PM	Prep Date: 10/3/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.115	0.00506	0.1012	0	113	65	113			
Toluene	0.113	0.0152	0.1012	0	111	73	115			
Ethylbenzene	0.112	0.0152	0.1012	0	110	74	118			
Xylenes, Total	0.337	0.0152	0.3037	0	111	73	119			
Surr: Tetrachloroethene	0.233		0.2024		115	79	135			

Sample ID: 1210021-08AMSD	Batch ID: 54092	TestNo: SW8021B	Units: mg/Kg-dry
SampType: MSD	Run ID: GC4_121003A	Analysis Date: 10/3/2012 10:53:56 PM	Prep Date: 10/3/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.112	0.00487	0.09744	0	115	65	113	2.45	30	S
Toluene	0.108	0.0146	0.09744	0	110	73	115	4.56	30	
Ethylbenzene	0.107	0.0146	0.09744	0	110	74	118	3.88	30	
Xylenes, Total	0.324	0.0146	0.2923	0	111	73	119	3.77	30	
Surr: Tetrachloroethene	0.224		0.1949		115	79	135	0	0	

Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

- DF Dilution Factor
- MDL Method Detection Limit
- R RPD outside accepted control limits
- S Spike Recovery outside control limits
- N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1210021
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_121003A

The QC data in batch 54095 applies to the following samples: 1210021-09A, 1210021-10A, 1210021-11A, 1210021-12A, 1210021-13A, 1210021-14A

Sample ID: LCS-54095	Batch ID: 54095	TestNo: SW8021B	Units: mg/Kg							
SampType: LCS	Run ID: GC4_121003A	Analysis Date: 10/3/2012 11:46:19 PM	Prep Date: 10/3/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Benzene	0.106	0.00500	0.1000	0	106	65	113			
Toluene	0.107	0.0150	0.1000	0	107	73	115			
Ethylbenzene	0.109	0.0150	0.1000	0	109	74	118			
Xylenes, Total	0.327	0.0150	0.3000	0	109	73	119			
Surr: Tetrachloroethene	0.195		0.2000		97.5	79	135			

Sample ID: MB-54095	Batch ID: 54095	TestNo: SW8021B	Units: mg/Kg							
SampType: MBLK	Run ID: GC4_121003A	Analysis Date: 10/4/2012 12:36:46 AM	Prep Date: 10/3/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Benzene	ND	0.00500								
Toluene	ND	0.0150								
Ethylbenzene	ND	0.0150								
Xylenes, Total	ND	0.0150								
Surr: Tetrachloroethene	0.194		0.2000		97.0	79	135			

Sample ID: 1210021-14AMS	Batch ID: 54095	TestNo: SW8021B	Units: mg/Kg-dry							
SampType: MS	Run ID: GC4_121003A	Analysis Date: 10/4/2012 3:34:54 AM	Prep Date: 10/3/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Benzene	0.107	0.00490	0.09804	0	109	65	113			
Toluene	0.104	0.0147	0.09804	0	106	73	115			
Ethylbenzene	0.102	0.0147	0.09804	0	104	74	118			
Xylenes, Total	0.307	0.0147	0.2941	0	104	73	119			
Surr: Tetrachloroethene	0.224		0.1961		114	79	135			

Sample ID: 1210021-14AMSD	Batch ID: 54095	TestNo: SW8021B	Units: mg/Kg-dry							
SampType: MSD	Run ID: GC4_121003A	Analysis Date: 10/4/2012 4:00:52 AM	Prep Date: 10/3/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Benzene	0.109	0.00502	0.1003	0	109	65	113	1.43	30	
Toluene	0.106	0.0150	0.1003	0	105	73	115	1.87	30	
Ethylbenzene	0.104	0.0150	0.1003	0	104	74	118	1.85	30	
Xylenes, Total	0.313	0.0150	0.3009	0	104	73	119	1.84	30	
Surr: Tetrachloroethene	0.225		0.2006		112	79	135	0	0	

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1210021
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_121003A

Sample ID: ICV-121003	Batch ID: R62819	TestNo: SW8021B	Units: mg/Kg
SampType: ICV	Run ID: GC4_121003A	Analysis Date: 10/3/2012 11:26:10 AM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.196	0.00500	0.2000	0	98.0	80	120			
Toluene	0.198	0.0150	0.2000	0	98.9	80	120			
Ethylbenzene	0.199	0.0150	0.2000	0	99.3	80	120			
Xylenes, Total	0.600	0.0150	0.6000	0	100	80	120			
Surr: Tetrachloroethene	0.204		0.2000		102	79	135			

Sample ID: CCV1-121003	Batch ID: R62819	TestNo: SW8021B	Units: mg/Kg
SampType: CCV	Run ID: GC4_121003A	Analysis Date: 10/3/2012 5:21:47 PM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.103	0.00500	0.1000	0	103	80	120			
Toluene	0.104	0.0150	0.1000	0	104	80	120			
Ethylbenzene	0.105	0.0150	0.1000	0	105	80	120			
Xylenes, Total	0.316	0.0150	0.3000	0	105	80	120			
Surr: Tetrachloroethene	0.196		0.2000		97.9	79	135			

Sample ID: CCV2-121003	Batch ID: R62819	TestNo: SW8021B	Units: mg/Kg
SampType: CCV	Run ID: GC4_121003A	Analysis Date: 10/3/2012 11:20:03 PM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.106	0.00500	0.1000	0	106	80	120			
Toluene	0.107	0.0150	0.1000	0	107	80	120			
Ethylbenzene	0.108	0.0150	0.1000	0	108	80	120			
Xylenes, Total	0.325	0.0150	0.3000	0	108	80	120			
Surr: Tetrachloroethene	0.199		0.2000		99.6	79	135			

Sample ID: CCV3-121003	Batch ID: R62819	TestNo: SW8021B	Units: mg/Kg
SampType: CCV	Run ID: GC4_121003A	Analysis Date: 10/4/2012 4:27:25 AM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.104	0.00500	0.1000	0	104	80	120			
Toluene	0.104	0.0150	0.1000	0	104	80	120			
Ethylbenzene	0.107	0.0150	0.1000	0	107	80	120			
Xylenes, Total	0.322	0.0150	0.3000	0	107	80	120			
Surr: Tetrachloroethene	0.191		0.2000		95.7	79	135			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Larson & Associates

Work Order: 1210021

Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_121005A

The QC data in batch 54128 applies to the following samples: 1210021-01A, 1210021-02A, 1210021-03A, 1210021-04A, 1210021-05A, 1210021-06A, 1210021-07A, 1210021-08A

Sample ID: LCS-54128	Batch ID: 54128	TestNo: M8015V	Units: mg/Kg
SampType: LCS	Run ID: GC4_121005A	Analysis Date: 10/5/2012 11:06:57 AM	Prep Date: 10/5/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	4.74	0.200	5.000	0	94.9	68	126			
Surr: Tetrachlorethene	0.360		0.4000		90.1	70	134			

Sample ID: MB-54128	Batch ID: 54128	TestNo: M8015V	Units: mg/Kg
SampType: MBLK	Run ID: GC4_121005A	Analysis Date: 10/5/2012 11:58:02 AM	Prep Date: 10/5/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	ND	0.200								
Surr: Tetrachlorethene	0.372		0.4000		93.0	70	134			

Sample ID: 1210021-08AMS	Batch ID: 54128	TestNo: M8015V	Units: mg/Kg-dry
SampType: MS	Run ID: GC4_121005A	Analysis Date: 10/5/2012 10:15:19 PM	Prep Date: 10/5/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	4.15	0.202	5.061	0	81.9	68	126			
Surr: Tetrachlorethene	0.475		0.4049		117	70	134			

Sample ID: 1210021-08AMSD	Batch ID: 54128	TestNo: M8015V	Units: mg/Kg-dry
SampType: MSD	Run ID: GC4_121005A	Analysis Date: 10/5/2012 10:41:23 PM	Prep Date: 10/5/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	4.00	0.204	5.091	0	78.5	68	126	3.66	30	
Surr: Tetrachlorethene	0.469		0.4073		115	70	134	0	0	

Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

- DF Dilution Factor
- MDL Method Detection Limit
- R RPD outside accepted control limits
- S Spike Recovery outside control limits
- N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1210021
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_121005A

Sample ID: ICV-121005	Batch ID: R62866	TestNo: M8015V	Units: mg/Kg							
SampType: ICV	Run ID: GC4_121005A	Analysis Date: 10/5/2012 10:40:45 AM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	8.78	0.200	10.00	0	87.8	80	120			
Surr: Tetrachlorethene	0.373		0.4000		93.2	70	134			

Sample ID: CCV1-121005	Batch ID: R62866	TestNo: M8015V	Units: mg/Kg							
SampType: CCV	Run ID: GC4_121005A	Analysis Date: 10/5/2012 5:08:42 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	5.43	0.200	5.000	0	109	80	120			
Surr: Tetrachlorethene	0.395		0.4000		98.8	70	134			

Sample ID: CCV2-121005	Batch ID: R62866	TestNo: M8015V	Units: mg/Kg							
SampType: CCV	Run ID: GC4_121005A	Analysis Date: 10/5/2012 11:06:59 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	5.15	0.200	5.000	0	103	80	120			
Surr: Tetrachlorethene	0.392		0.4000		98.0	70	134			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1210021
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_121005B

The QC data in batch 54133 applies to the following samples: 1210021-09A, 1210021-10A, 1210021-11A, 1210021-12A, 1210021-13A, 1210021-14A

Sample ID: LCS-54133	Batch ID: 54133	TestNo: M8015V	Units: mg/Kg							
SampType: LCS	Run ID: GC4_121005B	Analysis Date: 10/5/2012 11:31:42 PM	Prep Date: 10/5/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	5.39	0.200	5.000	0	108	68	126			
Surr: Tetrachlorethene	0.400		0.4000		100	70	134			

Sample ID: MB-54133	Batch ID: 54133	TestNo: M8015V	Units: mg/Kg							
SampType: MBLK	Run ID: GC4_121005B	Analysis Date: 10/6/2012 12:23:24 AM	Prep Date: 10/5/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	ND	0.200								
Surr: Tetrachlorethene	0.400		0.4000		99.9	70	134			

Sample ID: 1210021-14AMS	Batch ID: 54133	TestNo: M8015V	Units: mg/Kg-dry							
SampType: MS	Run ID: GC4_121005B	Analysis Date: 10/6/2012 3:20:56 AM	Prep Date: 10/5/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	3.79	0.195	4.884	0	77.7	68	126			
Surr: Tetrachlorethene	0.434		0.3907		111	70	134			

Sample ID: 1210021-14AMSD	Batch ID: 54133	TestNo: M8015V	Units: mg/Kg-dry							
SampType: MSD	Run ID: GC4_121005B	Analysis Date: 10/6/2012 3:47:05 AM	Prep Date: 10/5/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	3.83	0.202	5.055	0	75.8	68	126	1.05	30	
Surr: Tetrachlorethene	0.447		0.4044		110	70	134	0	0	

Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

- DF Dilution Factor
- MDL Method Detection Limit
- R RPD outside accepted control limits
- S Spike Recovery outside control limits
- N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1210021
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_121005B

Sample ID: ICV-121005	Batch ID: R62868	TestNo: M8015V	Units: mg/Kg							
SampType: ICV	Run ID: GC4_121005B	Analysis Date: 10/5/2012 10:40:45 AM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	8.78	0.200	10.00	0	87.8	80	120			
Surr: Tetrachlorethene	0.373		0.4000		93.2	70	134			

Sample ID: CCV2-121005	Batch ID: R62868	TestNo: M8015V	Units: mg/Kg							
SampType: CCV	Run ID: GC4_121005B	Analysis Date: 10/5/2012 11:06:59 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	5.15	0.200	5.000	0	103	80	120			
Surr: Tetrachlorethene	0.392		0.4000		98.0	70	134			

Sample ID: CCV3-121005	Batch ID: R62868	TestNo: M8015V	Units: mg/Kg							
SampType: CCV	Run ID: GC4_121005B	Analysis Date: 10/6/2012 4:13:22 AM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	5.37	0.200	5.000	0	107	80	120			
Surr: Tetrachlorethene	0.389		0.4000		97.3	70	134			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Larson & Associates

Work Order: 1210021

Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: CETAC_HG_121009A

The QC data in batch 54096 applies to the following samples: 1210021-01B, 1210021-02B, 1210021-03B, 1210021-04B, 1210021-05B, 1210021-06B, 1210021-07B, 1210021-08B, 1210021-09B, 1210021-10B, 1210021-11B, 1210021-12B, 1210021-13B, 1210021-14B

Sample ID: MB-54096	Batch ID: 54096	TestNo: SW7471B	Units: mg/Kg
SampType: MBLK	Run ID: CETAC_HG_121009A	Analysis Date: 10/9/2012 2:29:37 PM	Prep Date: 10/4/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.0400								

Sample ID: LCS-54096	Batch ID: 54096	TestNo: SW7471B	Units: mg/Kg
SampType: LCS	Run ID: CETAC_HG_121009A	Analysis Date: 10/9/2012 2:33:41 PM	Prep Date: 10/4/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.207	0.0400	0.2000	0	104	85	115			

Sample ID: LCSD-54096	Batch ID: 54096	TestNo: SW7471B	Units: mg/Kg
SampType: LCSD	Run ID: CETAC_HG_121009A	Analysis Date: 10/9/2012 2:35:43 PM	Prep Date: 10/4/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.210	0.0400	0.2000	0	105	85	115	1.44	25	

Sample ID: 1210021-14B SD	Batch ID: 54096	TestNo: SW7471B	Units: mg/Kg-dry
SampType: SD	Run ID: CETAC_HG_121009A	Analysis Date: 10/9/2012 2:43:52 PM	Prep Date: 10/4/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0	0.173	0	0				0	10	

Sample ID: 1210021-14B PDS	Batch ID: 54096	TestNo: SW7471B	Units: mg/Kg-dry
SampType: PDS	Run ID: CETAC_HG_121009A	Analysis Date: 10/9/2012 2:45:55 PM	Prep Date: 10/4/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.238	0.0347	0.2167	0	110	85	115			

Sample ID: 1210021-14B MS	Batch ID: 54096	TestNo: SW7471B	Units: mg/Kg-dry
SampType: MS	Run ID: CETAC_HG_121009A	Analysis Date: 10/9/2012 2:47:58 PM	Prep Date: 10/4/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.197	0.0347	0.1733	0	114	80	120			

Sample ID: 1210021-14B MSD	Batch ID: 54096	TestNo: SW7471B	Units: mg/Kg-dry
SampType: MSD	Run ID: CETAC_HG_121009A	Analysis Date: 10/9/2012 2:54:09 PM	Prep Date: 10/4/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.196	0.0350	0.1749	0	112	80	120	0.391	25	

Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

- DF Dilution Factor
- MDL Method Detection Limit
- R RPD outside accepted control limits
- S Spike Recovery outside control limits
- N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1210021
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: CETAC_HG_121009A

Sample ID: ICV-121009	Batch ID: R62913	TestNo: SW7471B	Units: mg/Kg							
SampType: ICV	Run ID: CETAC_HG_121009A	Analysis Date: 10/9/2012 2:25:32 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Mercury	0.00388	0.0400	0.004000	0	97.0	90	110			
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Sample ID: CCV1-121009	Batch ID: R62913	TestNo: SW7471B	Units: mg/Kg							
SampType: CCV	Run ID: CETAC_HG_121009A	Analysis Date: 10/9/2012 2:50:03 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Mercury	0.00197	0.0400	0.002000	0	98.5	90	110			
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Sample ID: CCV2-121009	Batch ID: R62913	TestNo: SW7471B	Units: mg/Kg							
SampType: CCV	Run ID: CETAC_HG_121009A	Analysis Date: 10/9/2012 3:14:41 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Mercury	0.00200	0.0400	0.002000	0	100	90	110			
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Sample ID: CCV3-121009	Batch ID: R62913	TestNo: SW7471B	Units: mg/Kg							
SampType: CCV	Run ID: CETAC_HG_121009A	Analysis Date: 10/9/2012 3:39:25 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Mercury	0.00203	0.0400	0.002000	0	102	90	110			
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Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

- DF Dilution Factor
- MDL Method Detection Limit
- R RPD outside accepted control limits
- S Spike Recovery outside control limits
- N Parameter not NELAC certified

CLIENT: Larson & Associates

Work Order: 1210021

Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_121008A

The QC data in batch 54094 applies to the following samples: 1210021-01B, 1210021-02B, 1210021-03B, 1210021-04B, 1210021-05B, 1210021-06B, 1210021-07B, 1210021-08B, 1210021-09B, 1210021-10B, 1210021-11B, 1210021-12B, 1210021-13B, 1210021-14B

Sample ID: MB-54094	Batch ID: 54094	TestNo: SW6020A	Units: mg/Kg
SampType: MBLK	Run ID: ICP-MS2_121008A	Analysis Date: 10/8/2012 3:25:00 PM	Prep Date: 10/4/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	1.00								
Barium	ND	2.00								
Cadmium	ND	0.300								
Chromium	ND	2.00								
Copper	ND	2.00								
Iron	ND	12.5								
Lead	ND	0.300								
Manganese	ND	2.00								
Selenium	ND	0.500								
Silver	ND	0.200								
Zinc	ND	2.50								

Sample ID: LCS-54094	Batch ID: 54094	TestNo: SW6020A	Units: mg/Kg
SampType: LCS	Run ID: ICP-MS2_121008A	Analysis Date: 10/8/2012 3:32:00 PM	Prep Date: 10/4/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	49.8	1.00	50.00	0	99.6	80	120			
Barium	51.2	2.00	50.00	0	102	80	120			
Cadmium	51.1	0.300	50.00	0	102	80	120			
Chromium	54.0	2.00	50.00	0	108	80	120			
Copper	51.2	2.00	50.00	0	103	80	120			
Iron	264	12.5	250.0	0	106	80	120			
Lead	50.6	0.300	50.00	0	101	80	120			
Manganese	54.0	2.00	50.00	0	108	80	120			
Selenium	49.2	0.500	50.00	0	98.5	80	120			
Silver	52.7	0.200	50.00	0	105	80	120			
Zinc	49.7	2.50	50.00	0	99.4	80	120			

Sample ID: LCSD-54094	Batch ID: 54094	TestNo: SW6020A	Units: mg/Kg
SampType: LCSD	Run ID: ICP-MS2_121008A	Analysis Date: 10/8/2012 3:38:00 PM	Prep Date: 10/4/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	49.8	1.00	50.00	0	99.6	80	120	0	20	
Barium	51.0	2.00	50.00	0	102	80	120	0.538	20	
Cadmium	50.7	0.300	50.00	0	101	80	120	0.639	20	
Chromium	54.4	2.00	50.00	0	109	80	120	0.737	20	
Copper	51.5	2.00	50.00	0	103	80	120	0.438	20	
Iron	265	12.5	250.0	0	106	80	120	0.378	20	
Lead	50.7	0.300	50.00	0	101	80	120	0.197	20	

Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1210021
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_121008A

Sample ID: LCSD-54094	Batch ID: 54094	TestNo: SW6020A	Units: mg/Kg
SampType: LCSD	Run ID: ICP-MS2_121008A	Analysis Date: 10/8/2012 3:38:00 PM	Prep Date: 10/4/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Manganese	54.5	2.00	50.00	0	109	80	120	0.783	20	
Selenium	49.1	0.500	50.00	0	98.2	80	120	0.305	20	
Silver	51.8	0.200	50.00	0	104	80	120	1.72	20	
Zinc	50.2	2.50	50.00	0	100	80	120	0.901	20	

Sample ID: 1210021-14B SD	Batch ID: 54094	TestNo: SW6020A	Units: mg/Kg-dry
SampType: SD	Run ID: ICP-MS2_121008A	Analysis Date: 10/8/2012 3:56:00 PM	Prep Date: 10/4/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0	4.85	0	2.194				0	10	
Barium	52.0	9.69	0	52.42				0.859	10	
Cadmium	0	1.45	0	0.09832				0	10	
Chromium	8.04	9.69	0	7.632				5.15	10	
Copper	3.42	9.69	0	3.168				7.55	10	
Lead	4.36	1.45	0	4.316				1.06	10	
Manganese	66.0	9.69	0	62.50				5.41	10	
Selenium	0	2.42	0	0.6909				0	10	
Silver	0	0.969	0	0				0	10	
Zinc	20.1	12.1	0	19.35				3.99	10	

Sample ID: 1210021-14B PDS	Batch ID: 54094	TestNo: SW6020A	Units: mg/Kg-dry
SampType: PDS	Run ID: ICP-MS2_121008A	Analysis Date: 10/8/2012 4:56:00 PM	Prep Date: 10/4/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	46.5	0.969	48.47	2.194	91.5	80	120			
Barium	101	1.94	48.47	52.42	100	80	120			
Cadmium	46.7	0.291	48.47	0.09832	96.1	80	120			
Chromium	55.3	1.94	48.47	7.632	98.4	80	120			
Copper	48.3	1.94	48.47	3.168	93.0	80	120			
Lead	51.5	0.291	48.47	4.316	97.3	80	120			
Manganese	111	1.94	48.47	62.50	99.9	80	120			
Selenium	45.4	0.485	48.47	0.6909	92.2	80	120			
Silver	27.1	0.194	48.47	0	56.0	80	120			S
Zinc	63.9	2.42	48.47	19.35	92.0	80	120			

Sample ID: 1210021-14B MS	Batch ID: 54094	TestNo: SW6020A	Units: mg/Kg-dry
SampType: MS	Run ID: ICP-MS2_121008A	Analysis Date: 10/8/2012 5:01:00 PM	Prep Date: 10/4/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	47.6	0.960	48.02	2.194	94.6	80	120			
Barium	101	1.92	48.02	52.42	102	80	120			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1210021
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_121008A

Sample ID: 1210021-14B MS	Batch ID: 54094	TestNo: SW6020A	Units: mg/Kg-dry
SampType: MS	Run ID: ICP-MS2_121008A	Analysis Date: 10/8/2012 5:01:00 PM	Prep Date: 10/4/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Cadmium	47.5	0.288	48.02	0.09832	98.7	80	120			
Chromium	55.5	1.92	48.02	7.632	99.8	80	120			
Copper	48.7	1.92	48.02	3.168	94.9	80	120			
Iron	5970	12.0	240.1	5550	176	80	120			S
Lead	52.7	0.288	48.02	4.316	101	80	120			
Manganese	112	1.92	48.02	62.50	103	80	120			
Selenium	46.0	0.480	48.02	0.6909	94.3	80	120			
Silver	49.1	0.192	48.02	0	102	80	120			
Zinc	63.9	2.40	48.02	19.35	92.7	80	120			

Sample ID: 1210021-14B MSD	Batch ID: 54094	TestNo: SW6020A	Units: mg/Kg-dry
SampType: MSD	Run ID: ICP-MS2_121008A	Analysis Date: 10/8/2012 5:07:00 PM	Prep Date: 10/4/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	47.2	0.952	47.58	2.194	94.5	80	120	0.972	20	
Barium	101	1.90	47.58	52.42	103	80	120	0.020	20	
Cadmium	47.3	0.285	47.58	0.09832	99.2	80	120	0.367	20	
Chromium	55.4	1.90	47.58	7.632	100	80	120	0.318	20	
Copper	48.6	1.90	47.58	3.168	95.5	80	120	0.283	20	
Iron	5830	11.9	237.9	5550	117	80	120	2.42	20	
Lead	53.0	0.285	47.58	4.316	102	80	120	0.481	20	
Manganese	110	1.90	47.58	62.50	99.3	80	120	2.02	20	
Selenium	45.0	0.476	47.58	0.6909	93.1	80	120	2.13	20	
Silver	49.3	0.190	47.58	0	104	80	120	0.535	20	
Zinc	64.5	2.38	47.58	19.35	94.9	80	120	0.977	20	

Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

- DF Dilution Factor
- MDL Method Detection Limit
- R RPD outside accepted control limits
- S Spike Recovery outside control limits
- N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1210021
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_121008A

Sample ID: ICV1-121008	Batch ID: R62881	TestNo: SW6020A	Units: mg/L
SampType: ICV	Run ID: ICP-MS2_121008A	Analysis Date: 10/8/2012 11:57:00 AM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.0988	0.00600	0.100	0	98.8	90	110			
Barium	0.0993	0.0100	0.100	0	99.3	90	110			
Cadmium	0.100	0.00100	0.100	0	100	90	110			
Chromium	0.107	0.00600	0.100	0	107	90	110			
Copper	0.101	0.0100	0.100	0	101	90	110			
Iron	2.52	0.150	2.50	0	101	90	110			
Lead	0.0966	0.00100	0.100	0	96.6	90	110			
Manganese	0.104	0.0100	0.100	0	104	90	110			
Selenium	0.102	0.00600	0.100	0	102	90	110			
Silver	0.102	0.00200	0.100	0	102	90	110			
Zinc	0.105	0.00500	0.100	0	105	90	110			

Sample ID: CCV1-121008	Batch ID: R62881	TestNo: SW6020A	Units: mg/L
SampType: CCV	Run ID: ICP-MS2_121008A	Analysis Date: 10/8/2012 3:14:00 PM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.194	0.00600	0.200	0	97.0	90	110			
Barium	0.199	0.0100	0.200	0	99.4	90	110			
Cadmium	0.194	0.00100	0.200	0	97.2	90	110			
Chromium	0.211	0.00600	0.200	0	105	90	110			
Copper	0.198	0.0100	0.200	0	99.1	90	110			
Iron	4.85	0.150	5.00	0	96.9	90	110			
Lead	0.188	0.00100	0.200	0	93.8	90	110			
Manganese	0.206	0.0100	0.200	0	103	90	110			
Selenium	0.205	0.00600	0.200	0	102	90	110			
Silver	0.202	0.00200	0.200	0	101	90	110			
Zinc	0.202	0.00500	0.200	0	101	90	110			

Sample ID: CCV2-121008	Batch ID: R62881	TestNo: SW6020A	Units: mg/L
SampType: CCV	Run ID: ICP-MS2_121008A	Analysis Date: 10/8/2012 5:13:00 PM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.197	0.00600	0.200	0	98.6	90	110			
Barium	0.196	0.0100	0.200	0	97.9	90	110			
Cadmium	0.197	0.00100	0.200	0	98.3	90	110			
Chromium	0.206	0.00600	0.200	0	103	90	110			
Copper	0.195	0.0100	0.200	0	97.7	90	110			
Iron	4.91	0.150	5.00	0	98.2	90	110			
Lead	0.188	0.00100	0.200	0	94.2	90	110			
Manganese	0.209	0.0100	0.200	0	105	90	110			
Selenium	0.206	0.00600	0.200	0	103	90	110			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Larson & Associates

Work Order: 1210021

Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_121008A

Sample ID: CCV2-121008	Batch ID: R62881	TestNo: SW6020A	Units: mg/L
SampType: CCV	Run ID: ICP-MS2_121008A	Analysis Date: 10/8/2012 5:13:00 PM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Silver	0.202	0.00200	0.200	0	101	90	110			
Zinc	0.204	0.00500	0.200	0	102	90	110			

Sample ID: CCV3-121008	Batch ID: R62881	TestNo: SW6020A	Units: mg/L
SampType: CCV	Run ID: ICP-MS2_121008A	Analysis Date: 10/8/2012 7:03:00 PM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.198	0.00600	0.200	0	99.0	90	110			
Barium	0.191	0.0100	0.200	0	95.4	90	110			
Cadmium	0.194	0.00100	0.200	0	96.9	90	110			
Chromium	0.206	0.00600	0.200	0	103	90	110			
Copper	0.193	0.0100	0.200	0	96.6	90	110			
Lead	0.193	0.00100	0.200	0	96.4	90	110			
Manganese	0.210	0.0100	0.200	0	105	90	110			
Selenium	0.208	0.00600	0.200	0	104	90	110			
Silver	0.199	0.00200	0.200	0	99.4	90	110			
Zinc	0.201	0.00500	0.200	0	100	90	110			

Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

- DF Dilution Factor
- MDL Method Detection Limit
- R RPD outside accepted control limits
- S Spike Recovery outside control limits
- N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1210021
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_121009A

The QC data in batch 54094 applies to the following samples: 1210021-01B, 1210021-02B, 1210021-03B, 1210021-04B, 1210021-05B, 1210021-06B, 1210021-07B, 1210021-08B, 1210021-09B, 1210021-10B, 1210021-11B, 1210021-12B, 1210021-13B, 1210021-14B

Sample ID: 1210021-14B SD	Batch ID: 54094	TestNo: SW6020A	Units: mg/Kg-dry							
SampType: SD	Run ID: ICP-MS2_121009A	Analysis Date: 10/9/2012 12:48:00 PM	Prep Date: 10/4/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	6260	606	0	6051				3.37	10	

Sample ID: 1210021-14B PDS	Batch ID: 54094	TestNo: SW6020A	Units: mg/Kg-dry							
SampType: PDS	Run ID: ICP-MS2_121009A	Analysis Date: 10/9/2012 1:47:00 PM	Prep Date: 10/4/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	17300	121	12120	6051	92.5	80	120			

Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

- DF Dilution Factor
- MDL Method Detection Limit
- R RPD outside accepted control limits
- S Spike Recovery outside control limits
- N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1210021
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_121009A

Sample ID: ICV1-121009	Batch ID: R62901	TestNo: SW6020A	Units: mg/L							
SampType: ICV	Run ID: ICP-MS2_121009A	Analysis Date: 10/9/2012 11:52:00 AM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Iron	2.46	0.150	2.50	0	98.6	90	110			
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Sample ID: CCV1-121009	Batch ID: R62901	TestNo: SW6020A	Units: mg/L							
SampType: CCV	Run ID: ICP-MS2_121009A	Analysis Date: 10/9/2012 1:53:00 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Iron	4.87	0.150	5.00	0	97.3	90	110			
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Sample ID: CCV3-121009	Batch ID: R62901	TestNo: SW6020A	Units: mg/L							
SampType: CCV	Run ID: ICP-MS2_121009A	Analysis Date: 10/9/2012 7:01:00 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Iron	5.05	0.150	5.00	0	101	90	110			
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Sample ID: CCV4-121009	Batch ID: R62901	TestNo: SW6020A	Units: mg/L							
SampType: CCV	Run ID: ICP-MS2_121009A	Analysis Date: 10/9/2012 8:42:00 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Iron	4.88	0.150	5.00	0	97.6	90	110			
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Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

- DF Dilution Factor
- MDL Method Detection Limit
- R RPD outside accepted control limits
- S Spike Recovery outside control limits
- N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1210021
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: IC_121009A

The QC data in batch 54158 applies to the following samples: 1210021-01C, 1210021-02C, 1210021-03C, 1210021-04C, 1210021-05C, 1210021-06C, 1210021-07C, 1210021-08C, 1210021-09C, 1210021-10C, 1210021-11C, 1210021-12C, 1210021-13C, 1210021-14C

Sample ID: LCS-54158	Batch ID: 54158	TestNo: E300	Units: mg/Kg
SampType: LCS	Run ID: IC_121009A	Analysis Date: 10/9/2012 9:12:11 AM	Prep Date: 10/8/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	44.9	5.00	50.00	0	89.9	80	120			
Sulfate	144	10.0	150.0	0	96.0	80	120			

Sample ID: LCSD-54158	Batch ID: 54158	TestNo: E300	Units: mg/Kg
SampType: LCSD	Run ID: IC_121009A	Analysis Date: 10/9/2012 9:23:47 AM	Prep Date: 10/8/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	45.2	5.00	50.00	0	90.4	80	120	0.533	20	
Sulfate	145	10.0	150.0	0	96.6	80	120	0.604	20	

Sample ID: MB-54158	Batch ID: 54158	TestNo: E300	Units: mg/Kg
SampType: MBLK	Run ID: IC_121009A	Analysis Date: 10/9/2012 9:35:23 AM	Prep Date: 10/8/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	5.00								
Sulfate	ND	10.0								

Sample ID: 1210021-01C MS	Batch ID: 54158	TestNo: E300	Units: mg/Kg-dry
SampType: MS	Run ID: IC_121009A	Analysis Date: 10/9/2012 10:16:27 AM	Prep Date: 10/8/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	55.8	5.46	54.63	7.293	88.7	80	120			
Sulfate	213	10.9	163.9	56.49	95.3	80	120			

Sample ID: 1210021-01C MSD	Batch ID: 54158	TestNo: E300	Units: mg/Kg-dry
SampType: MSD	Run ID: IC_121009A	Analysis Date: 10/9/2012 10:28:03 AM	Prep Date: 10/8/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	55.3	5.46	54.63	7.293	88.0	80	120	0.763	20	
Sulfate	213	10.9	163.9	56.49	95.3	80	120	0.002	20	

Sample ID: 1210021-14C MS	Batch ID: 54158	TestNo: E300	Units: mg/Kg-dry
SampType: MS	Run ID: IC_121009A	Analysis Date: 10/9/2012 3:20:21 PM	Prep Date: 10/8/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	45.6	5.15	51.45	0	88.7	80	120			
Sulfate	190	10.3	154.4	40.99	96.7	80	120			

Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

- DF Dilution Factor
- MDL Method Detection Limit
- R RPD outside accepted control limits
- S Spike Recovery outside control limits
- N Parameter not NELAC certified

CLIENT: Larson & Associates

Work Order: 1210021

Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: IC_121009A

Sample ID: 1210021-14C MSD		Batch ID: 54158		TestNo: E300		Units: mg/Kg-dry				
SampType: MSD		Run ID: IC_121009A		Analysis Date: 10/9/2012 3:31:57 PM		Prep Date: 10/8/2012				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	46.1	5.15	51.45	0	89.7	80	120	1.08	20	
Sulfate	191	10.3	154.4	40.99	97.0	80	120	0.262	20	

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Larson & Associates
Work Order: 1210021
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: IC_121009A

Sample ID: ICV-121009	Batch ID: R62899	TestNo: E300	Units: mg/Kg							
SampType: ICV	Run ID: IC_121009A	Analysis Date: 10/9/2012 8:51:45 AM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Chloride	23.0	5.00	25.00	0	92.2	90	110			
Sulfate	74.2	10.0	75.00	0	99.0	90	110			

Sample ID: CCV1-121009	Batch ID: R62899	TestNo: E300	Units: mg/Kg							
SampType: CCV	Run ID: IC_121009A	Analysis Date: 10/9/2012 11:26:10 AM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Chloride	9.03	5.00	10.00	0	90.3	90	110			
Sulfate	29.3	10.0	30.00	0	97.6	90	110			

Sample ID: CCV2-121009	Batch ID: R62899	TestNo: E300	Units: mg/Kg							
SampType: CCV	Run ID: IC_121009A	Analysis Date: 10/9/2012 2:18:50 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Chloride	9.05	5.00	10.00	0	90.5	90	110			
Sulfate	29.3	10.0	30.00	0	97.8	90	110			

Sample ID: CCV3-121009	Batch ID: R62899	TestNo: E300	Units: mg/Kg							
SampType: CCV	Run ID: IC_121009A	Analysis Date: 10/9/2012 3:43:34 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Chloride	8.99	5.00	10.00	0	89.9	90	110			
Sulfate	29.5	10.0	30.00	0	98.3	90	110			

Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

- DF Dilution Factor
- MDL Method Detection Limit
- R RPD outside accepted control limits
- S Spike Recovery outside control limits
- N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1210021
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: IR207_121009A

Sample ID: ICV-121009	Batch ID: 418_S-10/09/2012	TestNo: E418.1	Units: mg/Kg							
SampType: ICV	Run ID: IR207_121009A	Analysis Date: 10/9/2012 1:00:00 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Petroleum Hydrocarbons, TR	253	10.0	250.0	0	101	90	110			N
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Sample ID: CCV1-121009	Batch ID: 418_S-10/09/2012	TestNo: E418.1	Units: mg/Kg							
SampType: CCV	Run ID: IR207_121009A	Analysis Date: 10/9/2012 1:00:00 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Petroleum Hydrocarbons, TR	257	10.0	250.0	0	103	85	115			N
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Sample ID: CCV2-121009	Batch ID: 418_S-10/09/2012	TestNo: E418.1	Units: mg/Kg							
SampType: CCV	Run ID: IR207_121009A	Analysis Date: 10/9/2012 1:00:00 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Petroleum Hydrocarbons, TR	258	10.0	250.0	0	103	85	115			N
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Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

- DF Dilution Factor
- MDL Method Detection Limit
- R RPD outside accepted control limits
- S Spike Recovery outside control limits
- N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1210021
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: IR207_121009A

The QC data in batch 54177 applies to the following samples: 1210021-01A, 1210021-02A, 1210021-03A, 1210021-04A, 1210021-05A, 1210021-06A, 1210021-07A, 1210021-08A, 1210021-09A, 1210021-10A, 1210021-11A, 1210021-12A, 1210021-13A, 1210021-14A

Sample ID: LCS-54177	Batch ID: 54177	TestNo: E418.1	Units: mg/Kg
SampType: LCS	Run ID: IR207_121009A	Analysis Date: 10/9/2012 1:00:00 PM	Prep Date: 10/9/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	99.4	10.0	100.0	0	99.4	80	120			N

Sample ID: MB-54177	Batch ID: 54177	TestNo: E418.1	Units: mg/Kg
SampType: MBLK	Run ID: IR207_121009A	Analysis Date: 10/9/2012 1:00:00 PM	Prep Date: 10/9/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	ND	10.0								N

Sample ID: 1210021-01A MS	Batch ID: 54177	TestNo: E418.1	Units: mg/Kg-dry
SampType: MS	Run ID: IR207_121009A	Analysis Date: 10/9/2012 1:00:00 PM	Prep Date: 10/9/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	102	11.0	110.1	7.624	85.6	80	120			N

Sample ID: 1210021-01A MSD	Batch ID: 54177	TestNo: E418.1	Units: mg/Kg-dry
SampType: MSD	Run ID: IR207_121009A	Analysis Date: 10/9/2012 1:00:00 PM	Prep Date: 10/9/2012

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	101	11.1	110.6	7.624	84.4	80	120	0.963	20	N

Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

- DF Dilution Factor
- MDL Method Detection Limit
- R RPD outside accepted control limits
- S Spike Recovery outside control limits
- N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1210021
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: PMOIST_121004B

The QC data in batch 54113 applies to the following samples: 1210021-01B, 1210021-02B, 1210021-03B, 1210021-04B, 1210021-05B, 1210021-06B, 1210021-07B, 1210021-08B, 1210021-09B, 1210021-10B, 1210021-11B, 1210021-12B, 1210021-13B, 1210021-14B

Sample ID: 1210020-12C-DUP		Batch ID: 54113		TestNo: D2216		Units: WT%				
SampType: DUP		Run ID: PMOIST_121004B		Analysis Date: 10/5/2012 9:10:00 AM		Prep Date: 10/4/2012				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Percent Moisture	3.91	0	0	3.856				1.46	30	

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified