NM2 - 12

Cell Closure
MONITORING REPORTS YEAR(S):

3-29-09

Larson & Associates, Inc.
Environmental Consultants

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May 29, 2009

VIA CERTIFIED MAIL

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

Re: Update Report for Chevron North America Exploration and 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. Hansen:

Larson & Associates, Inc. (LAI), as consultant to Chevron North America Exploration and Production Company (Chevron), submits this update report to the New Mexico Oil Conservation Division (OCD) for the above referenced centralized surface waste management facility (NM-2-0012). This report is submitted in response to your request dated March 6, 2009, for additional sampling requirements and presents a summary of laboratory analytical results for vadose and treatment (tilled) zone soil samples. Figure 1 presents a location map. Figure 2 presents a facility drawing. OCD and LAI communications are presented in Appendix A.

Background Samples

A background sample of native soil for 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).

On March 25, 2009, LAI personnel collected a composite background sample from Cells 33, 34, 35 and 36 approximately 2 to 3 feet below native ground surface. This sample was analyzed according to New Mexico Oil Conservation Division (NMOCD) requirements for Gasoline and Diesel Range Organics, Benzene, Toluene, Ethylbenzene and Total Xylenes (BTEX), total metals and chloride.

Treatment Zone Samples

On March 25, 2009, LAI collected random five (5) part soil composite samples from Cells 17 through 21, 25 and 26. The soil samples were collected using a stainless steel hand auger. The samples were collected from the tilled zone, placed in pre-cleaned 4-ounce jars, properly labeled and placed on ice upon collection. The samples were submitted to DHL Analytical, Inc. (DHL) located in Round Rock, Texas under custody seals and chain of custody.

The treatment samples were analyzed for the following constituents:

- BTEX by EPA method SW8021B,
- Metals by EPA method 6020 and mercury by EPA method 7471A,
- Total Petroleum Hydrocarbons (TPH) by EPA method SW8015 for gasoline range organics (GRO) and diesel range organics (DRO), and
- TRPH by EPA method 418.1.

The results of the March 25, 2009 composite treatment samples (Cells 17 through 21, 25 and 26) were below the remediation standards for BTEX (50 ppm), Benzene (10 ppm), and Chloride (250 ppm) as specified in accordance with 19.15.36 NMAC Part 36.

Cells 17 through 20 and 26 were below the remediation standards for TPH by method 8015M (500 ppm) and TRPH method 418.1 (500 ppm). TRPH in Cells 21 and 26 was detected at 678 and 1260 ppm, respectively above the 500 ppm remediation standard.

The treatment zone soil samples were analyzed for metals in accordance to subsections A and B of 20.6.23103 NMAC. The results were compared to the background sample. Cells 17 through 21, 25 and 26 were below background levels for arsenic, barium, cadmium, chromium, copper, iron, manganese, selenium, and silver. Cell 17 was slightly above background for lead (6.34 ppm), mercury (0.168 ppm), and zinc (21.5 ppm). Cell 18 was slightly above background for lead (6.00 ppm). Cell 21 was slightly above background for lead (7.41 ppm) and zinc (23.4 ppm). Cell 25 was slightly above background for zinc (22.9 ppm). Cell 26 was slightly above background for lead (5.01 ppm). These are within the normal variation of the soil.

Treatment zone sample analyses are presented in Tables 1, 2 and 3.

Vadose Zone Samples

Samples for the vadose zone, Cells 17 through 21, 25 and 26 were collected by LAI personnel on March 25, 2009. The samples were collected from approximately 2 to 3 feet below native ground surface near the center of each cell. The samples were collected using direct-push technology and dual-tube system. The direct push and dual tube system involves hydraulically pushing or percussion hammering a stainless steel core barrel into the subsurface. The stainless steel core barrel is housed inside an outer steel casing that is simultaneously pushed into the subsurface. Overlying soil is removed to prevent caving and minimizing the possibility of cross-contamination between sample collections. The core barrel is equipped with dedicated polyethylene liners to reduce cross-contamination between samples. Samples were placed in pre-cleaned 4-ounce jars, properly labeled and placed on ice upon collection. The samples were submitted to DHL.

The treatment (vadose) zone samples were analyzed for the following constituents:

- BTEX by EPA method SW8021B,
- Total Petroleum Hydrocarbons (TPH) by EPA method SW8015 for gasoline range organics (GRO) and diesel range organics (DRO),
- TRPH by EPA method 418.1,
- Metals and Mercury analyses by EPA methods SW6020 and SW7471A, respectively, and
- Anions by EPA method 300.

The TPH, TRPH, BTEX and benzene results of the vadose zone samples for Cells 17 through 21, 25 and 26 were below the method detection limits.

Cells 17, 18 and 20 were above background but below the Water Quality Control Commission (WQCC) level for chloride.

Arsenic and barium were detected above background levels for Cells 17, 18, and 26. Copper was detected in Cell 21 slightly above the background level. Chromium, iron, lead, selenium, and zinc were detected in Cell 25 above background. These are within the normal variation of the soil.

Vadose zone analyses are presented in Tables 4, 5, 6, and 7.

Laboratory analytical reports are presented in Appendix B.

Summary

Treatment soil in Cells 17 through 21, 25 and 26 were below action levels for TPH (method 8015M), BTEX, benzene and chloride. TRPH (method 418.1) exceeded 500 ppm for Cells 21 and 26.

Results for vadose zone sampling for TPH, TRPH, BTEX and benzene were below detection limits. Metals results appear to be within normal variation of the soil. Results indicate that the vadose zone has not been impacted.

Chevron has performed bi-weekly tilling as per the permit requirements. Treatment vadose zone sample results indicate that remediation has been achieved and no soil has been disposed in the facility since 2004. Chevron will continue bi-weekly tilling and quarterly monitoring of vadose and treatment zone soil in Cells 21 and 26 until TRPH levels are reduced below the remediation level (500 ppm). Chevron requests the NMOCD to grant closure for Cells 17 through 20, and 25.

If you have any questions or require additional information please contact Mr. Rodney Bailey with Chevron at (432) 894-3519 or via email bailerg@chevron.com. I can be reached at (432) 687-0901 or via email michelle@laenvironmental.com.

Sincerely,
Larson and Associates, Inc.

Michelle L. Green
Environmental Scientist

Enclosure

cc: Rodney Bailey, Chevron
Larry Johnson, OCD District 1

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 17 (0-1')	17	05/21/07	0 - 1	<0.00304	<0.00506	<0.00506	<0.00506	<0.01822
		09/11/07	0 - 1	<0.00106	<0.00106	<0.00106	<0.00106	<0.00106
		03/13/08	0 - 1	<0.00282	<0.00470	<0.00470	<0.00470	<0.01692
		03/19/08	0 - 1	<0.00264	<0.00440	<0.00440	<0.00440	<0.01584
		08/25/08	0 - 1	<0.00301	<0.00501	<0.00501	<0.00501	<0.01804
		12/09/08	0 - 1	<0.00280	<0.00467	<0.00467	<0.00467	<0.01681
		03/25/09	0 - 1	<0.00295	<0.00491	<0.00491	<0.00491	<0.01768
Cell 18 (0-1')	18	05/21/07	0 - 1	<0.00311	<0.00519	<0.00519	<0.00519	<0.01868
		09/11/07	0 - 1	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011
		03/19/08	0 - 1	<0.00288	<0.00480	<0.00480	<0.00480	<0.01728
		08/25/08	0 - 1	<0.00268	<0.00447	<0.00447	<0.00447	<0.01609
		12/09/08	0 - 1	<0.00299	<0.00498	<0.00498	<0.00498	<0.01793
		03/25/09	0 - 1	<0.00263	<0.00438	<0.00438	<0.00438	<0.01577
Cell 19 (0-1')	19	05/21/07	0 - 1	<0.00292	<0.00486	<0.00486	<0.00486	<0.0175
		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	<0.01599
		08/25/08	0 - 1	<0.00312	<0.00520	<0.00520	<0.00520	<0.01872
		12/09/08	0 - 1	<0.00265	<0.00441	<0.00441	<0.00441	<0.01588
		03/25/09	0 - 1	<0.00297	<0.00495	<0.00495	<0.00495	<0.01782

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 (0-1')	20	05/21/07	0 - 1	<0.00312	<0.00520	<0.00520	<0.00520	<0.01872
		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	<0.0162
		08/25/08	0 - 1	<0.00293	<0.00488	<0.00488	<0.00488	<0.01757
		12/09/08	0 - 1	<0.00294	<0.00489	<0.00489	<0.00489	<0.0176
		03/25/09	0 - 1	<0.00268	<0.00447	<0.00447	<0.00447	<0.01609
Cell 21 (0-1')	21	05/21/07	0 - 1	<0.00293	<0.00489	<0.00489	<0.00489	<0.0176
		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	<0.01577
		08/25/08	0 - 1	<0.00308	<0.00513	<0.00513	<0.00513	<0.01847
		12/09/08	0 - 1	<0.00290	<0.00483	<0.00483	<0.00483	<0.01739
		03/25/09	0 - 1	<0.00268	<0.00446	<0.00446	<0.00446	<0.01606
Cell 25 (0-1')	25	05/21/07	0 - 1	<0.00302	<0.00503	<0.00503	<0.00503	<0.01811
		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	<0.01667
		12/09/08	0 - 1	<0.00308	<0.00513	<0.00513	<0.00513	<0.01847
		03/25/09	0 - 1	<0.00265	<0.00441	<0.00441	<0.00441	<0.01588

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 (0-1')	26	02/21/07	0 - 1	<0.01	<0.01	<0.01	<0.02	<0.05
		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	<0.0194
		08/25/08	0 - 1	<0.00358	<0.00597	<0.00597	<0.00597	<0.02149
		12/09/08	0 - 1	<0.00301	<0.00501	<0.00501	<0.00501	<0.01804
		03/25/09	0 - 1	<0.00268	<0.00447	<0.00447	<0.00447	<0.01609

Notes:

Samples were analyzed by DHL Analytical, Inc., Round Rock, TX

BTEX analysis was performed by SW846 method 8021B

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

1. <: Less than 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):				**500**			**500**	**250**
Cell 17 (0-1')	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
Cell 18 (0-1')	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
Cell 19 (0-1')	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

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):				**500**			**500**	**250**
Cell 20 (0-1')	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
Cell 21 (0-1')	21	05/21/07	0 - 1	389	<0.0611	15.4	15.4	--
		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
Cell 25 (0-1')	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

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):				**500**			**500**	**250**
Cell 26 (0-1')	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

Notes:

Samples were analyzed by DHL Analytical, Inc., Round Rock, 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

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**
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 (0-1')	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**
Cell 18 (0-1')	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
Cell 19 (0-1')	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
Cell 20 (0-1')	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
Cell 21 (0-1')	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
Cell 25 (0-1')	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**
Cell 26 (0-1')	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

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

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
Background Level (3/25/09):				**<0.00313**	**<0.00521**	**<0.00521**	**<0.00521**	**<0.01876**
WQCC Level:				**10**				**50**
Cell 17 (2-3')	17	05/22/07	2 - 3	<0.00354	<0.00590	<0.00590	<0.00590	<0.02124
		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	<0.01912
		08/26/08	2 - 3	<0.00318	<0.00530	<0.00530	<0.00530	<0.01908
		12/08/08	2 - 3	<0.00386	<0.00643	<0.00643	<0.00643	<0.02315
		03/25/09	2 - 3	<0.00289	<0.00481	<0.00481	<0.00481	<0.01732
Cell 18 (2-3')	18	05/22/07	2 - 3	<0.00306	<0.00510	<0.00510	<0.00510	<0.01836
		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	<0.01811
		08/25/08	2 - 3	<0.00305	<0.00509	<0.00509	<0.00509	<0.01832
		12/08/08	2 - 3	<0.00286	<0.00477	<0.00477	<0.00477	<0.01717
		03/25/09	2 - 3	<0.00311	<0.00519	<0.00519	<0.00519	<0.01868
Cell 19 (2-3')	19	05/22/07	2 - 3	<0.00294	<0.00491	<0.00491	<0.00491	<0.01767
		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	<0.01692
		08/25/08	2 - 3	<0.00307	<0.00512	<0.00512	<0.00512	<0.01843
		12/08/08	2 - 3	<0.00311	<0.00519	<0.00519	<0.00519	<0.01868
		03/25/09	2 - 3	<0.00318	<0.00530	<0.00530	<0.00530	<0.01908

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
Background Level (3/25/09):				**<0.00313**	**<0.00521**	**<0.00521**	**<0.00521**	**<0.01876**
WQCC Level:				**10**				**50**
Cell 20 (2-3')	20	05/22/07	2 - 3	<0.00326	<0.00543	<0.00543	<0.00543	<0.01955
		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	<0.01811
		08/25/08	2 - 3	<0.00264	<0.00440	<0.00440	<0.00440	<0.01584
		12/08/08	2 - 3	<0.00311	<0.00518	<0.00518	<0.00518	<0.04664
		03/25/09	2 - 3	<0.00307	<0.00512	<0.00512	<0.00512	<0.01843
Cell 21 (2-3')	21	05/22/07	2 - 3	<0.00346	<0.00577	<0.00577	<0.00577	<0.02077
		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	<0.01868
		08/26/08	2 - 3	<0.00318	<0.00530	<0.00530	<0.00530	<0.01908
		12/08/08	2 - 3	<0.00303	<0.00505	<0.00505	<0.00505	<0.01818
		03/25/09	2 - 3	<0.00308	<0.00514	<0.00514	<0.00514	<0.0185
Cell 25 (2-3')	25	05/22/07	2 - 3	<0.00281	<0.00468	<0.00468	<0.00468	<0.01685
		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	<0.01814
		12/08/08	2 - 3	<0.00326	<0.00543	<0.00543	<0.00543	<0.01955
		03/25/09	2 - 3	<0.00302	<0.00504	<0.00504	<0.00504	<0.01814

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
Background Level (3/25/09):				**<0.00313**	**<0.00521**	**<0.00521**	**<0.00521**	**<0.01876**
WQCC Level:				**10**				**50**
Cell 26 (2-3')	26	05/22/07	2 - 3	<0.00295	<0.00492	<0.00492	<0.00492	<0.01771
		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	<0.0189
		09/25/08	2 - 3	<0.00295	<0.00492	<0.00492	<0.00492	<0.01771
		12/08/08	2 - 3	<0.00309	<0.00515	<0.00515	<0.00515	<0.01854
		03/25/09	2 - 3	<0.00323	<0.00538	<0.00538	<0.00538	<0.01937

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

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

BTEX analysis was performed by SW846 method 8021B

1. <: Less than 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 (2-3')	17	05/22/07	2 - 3	**149**	<0.0161	**60.4**	**60.4**
		03/19/08	2 - 3	<5.82	<0.0604	<1.69	<1.75
		08/26/08	2 - 3	<5.49	<0.0633	<9.10	<9.1633
		12/08/08	2 - 3	<6.11	<0.0772	**3.49**	**3.49**
		03/25/09	2 - 3	<5.54	<0.0772	<3.19	<3.2672
Cell 18 (2-3')	18	05/22/07	2 - 3	<5.84	<0.0608	<3.09	<6.1508
		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	<3.4207
Cell 19 (2-3')	19	05/22/07	2 - 3	**47.5**	<0.0614	<3.14	<3.2014
		03/19/08	2 - 3	<5.30	<0.0595	**2.15**	**2.15**
		08/25/08	2 - 3	<5.21	<0.0602	<9.29	<9.3502
		12/08/08	2 - 3	<5.38	<0.0597	**3.61**	**3.61**
		03/25/09	2 - 3	<5.39	<0.0662	<3.08	<3.1462
Cell 20 (2-3')	20	05/22/07	2 - 3	<5.59	<0.0598	<2.98	<3.0398
		03/19/08	2 - 3	<5.79	<0.0636	<1.68	<1.71
		08/25/08	2 - 3	<5.07	<0.0558	<8.50	<8.5558
		12/08/08	2 - 3	<5.35	<0.0603	**3.24**	**3.24**
		03/25/09	2 - 3	<5.86	<0.0785	<3.54	<3.6185

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 21 (2-3')	21	05/22/07	2 - 3	<5.73	<0.0633	<3.23	<3.2933
		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	<3.2505
Cell 25 (2-3')	25	05/22/07	2 - 3	<5.50	<0.0574	<3.04	<3.0974
		08/25/08	2 - 3	<5.25	<0.0565	<9.36	<9.4165
		12/08/08	2 - 3	<5.61	<0.0657	**9.58**	**9.58**
		03/25/09	2 - 3	<5.45	<0.0665	<3.14	<3.2065
Cell 26 (2-3')	26	05/22/07	2 - 3	<5.81	<0.0609	<3.41	<3.4709
		08/26/08	2 - 3	**386**	<0.0619	**175**	**175**
		09/25/08	2 - 3	<5.2	<0.0617	<3.27	<3.3317
		12/08/08	2 - 3	12.4	<0.0664	**18.6**	**18.6**
		03/25/09	2 - 3	<5.74	<0.0787	<3.29	<3.3687

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

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	Calcium	Chromium	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Potassium	Selenium	Silver	Sodium	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**
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 (2-3')	17	05/22/07	2 - 3	3.30	164	0.188	153,000	7.90	--	--	4.360	2,230	--	**0.0171**	1,820	0.866	<0.107	607	--
		03/19/08	2 - 3	**5.22**	**356**	<0.113	279,000	1.09	--	--	0.591	2,480	--	<0.0180	251	0.407	<0.113	174	--
		08/26/08	2 - 3	2.87	213	0.138	319,000	3.19	--	--	1.67	1,970	--	<0.0155	617	0.716	<0.109	136	--
		03/25/09	2 - 3	**4.43**	**1,330**	0.182	--	3.64	2.17	2,440	1.93	--	26.6	<0.0169	--	1.35	<0.0997	--	6.94
Cell 18 (2-3')	18	05/22/07	2 - 3	**4.70**	**717**	0.183	335,000	3.41	--	--	1.75	2,180	--	<0.0186	725	0.635	<0.104	205	--
		03/19/08	2 - 3	3.18	139	0.168	220,000	4.53	--	--	3.08	1,800	--	<0.0167	982	0.987	<0.0911	117	--
		08/25/08	2 - 3	**3.91**	149	0.172	229,000	3.97	--	--	3.48	1,980	--	<0.0164	919	0.897	<0.109	127	--
		03/25/09	2 - 3	**4.81**	**730**	<0.112	--	3.46	2.25	2,200	1.36	--	24.0	<0.0156	--	0.909	<0.112	--	10.2
Cell 19 (2-3')	19	05/22/07	2 - 3	2.29	61	0.135	10,500	**9.69**	--	--	4.82	1,720	--	<0.0162	2,090	1.03	<0.0912	95.5	--
		03/19/08	2 - 3	2.35	89.8	0.166	79,900	7.83	--	--	4.42	1,540	--	<0.0162	1,650	1.50	<0.0965	40.3	--
		08/25/08	2 - 3	1.72	40.9	<0.101	1,660	6.83	--	--	4.20	1,040	--	<0.0162	1,550	1.28	<0.101	16.9	--
		03/25/09	2 - 3	2.84	197	0.118	--	4.28	2.26	3,380	2.30	--	38.1	<0.0163	--	1.23	<0.102	--	7.97
Cell 20 (2-3')	20	05/22/07	2 - 3	2.98	96.1	0.202	112,000	7.16	--	--	4.65	1,230	--	<0.0169	1,490	1.140	<0.104	36.2	--
		03/19/08	2 - 3	3.30	247	0.099	259,000	2.45	--	--	1.35	2,080	--	<0.0158	530	0.459	<0.0989	150	--
		08/25/08	2 - 3	1.43	29.6	<0.0990	8,070	5.11	--	--	3.08	720	--	<0.0154	1,050	0.865	<0.0990	12.9	--
		03/25/09	2 - 3	4.29	204	<0.111	--	2.16	2.00	1,370	1.01	--	19.5	<0.0169	--	0.705	<0.111	--	4.84
Cell 21 (2-3')	21	05/22/07	2 - 3	3.6	230	0.151	307,000	4.29	--	--	2.18	2,490	--	<0.0177	1,020	0.626	<0.117	118	--
		03/19/08	2 - 3	**4.53**	**736**	0.125	311,000	2.15	--	--	1.21	2,660	--	<0.0158	432	0.460	<0.108	137	--
		08/26/08	2 - 3	2.67	73.1	0.141	6,440	**9.52**	--	--	**6.55**	1,840	--	<0.0149	2,210	2.41	<0.102	20.0	--
		03/25/09	2 - 3	2.61	74.4	0.147	--	8.83	**4.03**	8,130	4.76	--	87.7	<0.0154	--	2.45	<0.102	--	19.0

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	Calcium	Chromium	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Potassium	Selenium	Silver	Sodium	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**
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 (2-3')	25	05/22/07	2 - 3	2.96	76.7	0.197	6,820	**11.70**	--	--	**6.13**	1,970	--	<0.0171	3,020	1.39	<0.103	94.4	--
		08/25/08	2 - 3	2.88	60.8	0.155	17,000	8.91	--	--	**5.51**	1,600	--	<0.0154	1,920	1.41	<0.105	<13.1	--
		03/25/09	2 - 3	3.85	65.5	0.215	--	**11.6**	3.83	**11,800**	**6.61**	--	91.7	<0.0158	--	**2.86**	<0.110	--	**25.8**
Cell 26 (2-3')	26	05/22/07	2 - 3	2.96	121	0.197	83,700	9.20	--	--	4.79	1,930	--	<0.0177	2,060	1.23	<0.109	93	--
		08/26/08	2 - 3	2.58	85.1	0.115	43,700	6.73	--	--	4.77	1,500	--	<0.0149	1,610	1.64	<0.103	50.8	--
		09/25/08	2 - 3	**4.25**	128	**0.271**	2,370	**14.60**	--	--	**9.17**	2,370	--	<0.0172	2,860	2.20	0.109	62.7	--
		09/25/08	2 - 3	**5.19**	**692**	0.132	--	3.07	2.37	2,100	1.38	--	20.0	<0.0177	--	0.960	<0.110	--	5.85

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

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 (2-3')	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**	--
Cell 18 (2-3')	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**	--
Cell 19 (2-3')	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	--
Cell 20 (2-3')	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**	--

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 (2-3')	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	--
Cell 25 (2-3')	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	--
Cell 26 (2-3')	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	--

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

JWW

Y:\PROJECTS\CHEVRONTEXACO\7-0106-CHEVRON LAND FARM\FIGURE-2.dwg, 1/22/2009 11:27:44 AM

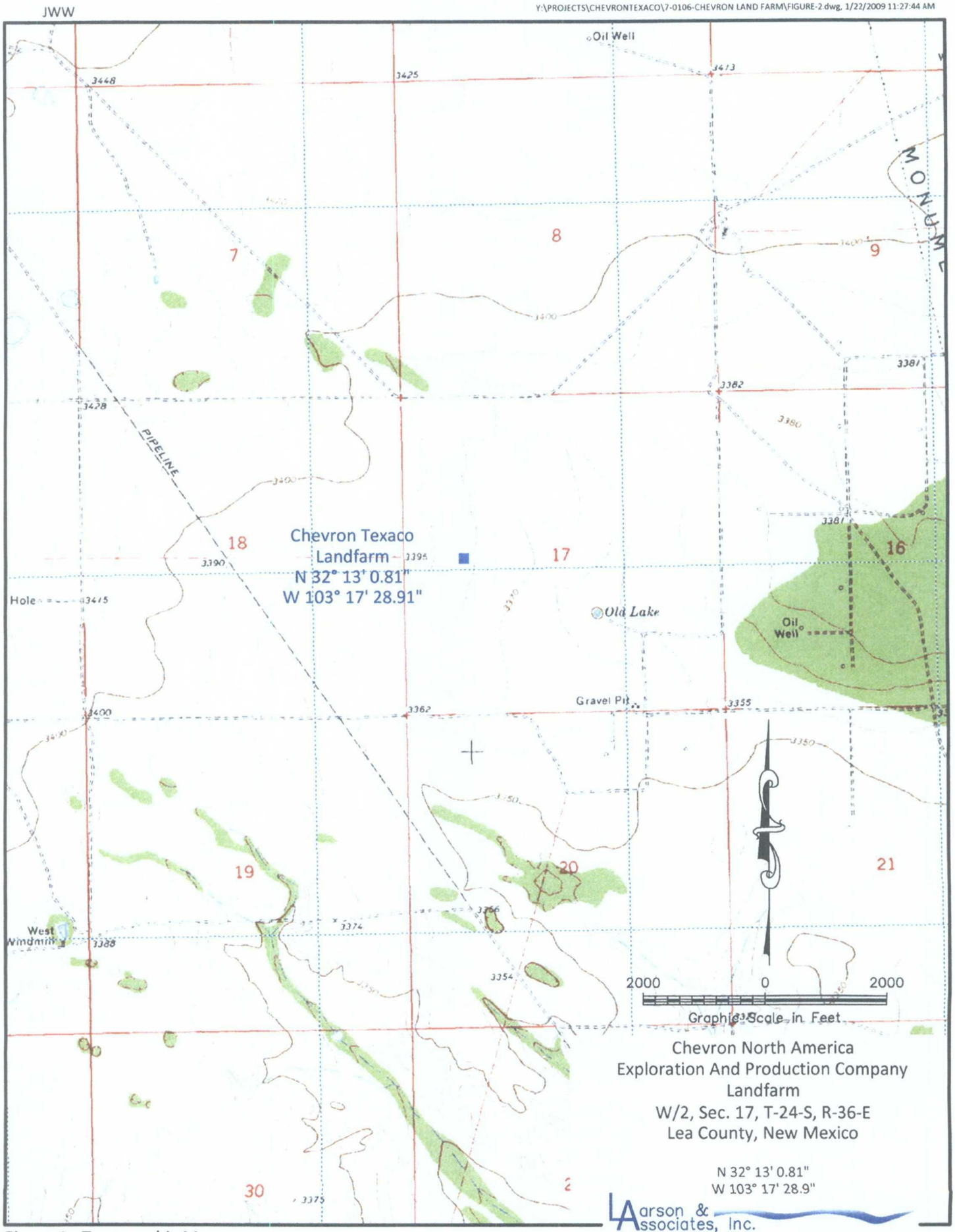

Figure 1 - Topographic Map

JWW

Y:\PROJECTS\CHEVRONTEXACO\7-0106-CHEVRON LAND FARM\FIGURE-2.dwg, 1/22/2009 11:27:20 AM

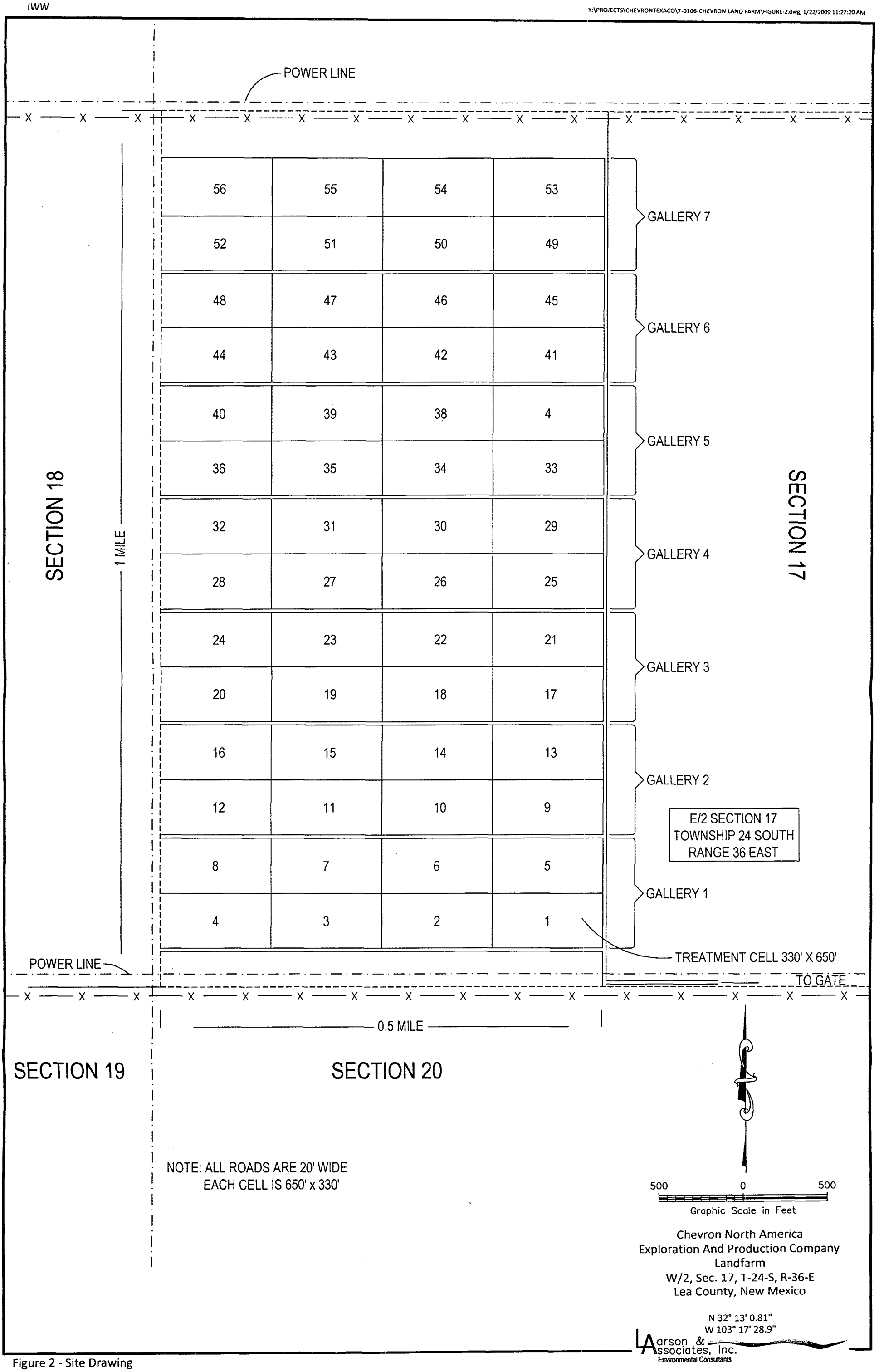

Figure 2 - Site Drawing

Michelle Green

From: Hansen, Edward J., EMNRD [edwardj.hansen@state.nm.us]
Sent: Friday, March 06, 2009 11:01 AM
To: bailerg@chevron.com
Cc: Michelle Green
Subject: 2008 Annual Report for Chevron SWMF NM-02-0012 - Additional Sampling Required

Follow Up Flag: Follow up
Flag Status: Flagged

Categories: Industrial Waste Stuff

Dear Mr. Bailey:

The New Mexico Oil Conservation Division (OCD) has received the cell closure report the above-referenced site, dated January 16, 2009, and has conducted a review of the report. The closure report, received February 3, 2009, indicates that Chevron has not completed the cell closure requirements. Therefore, the OCD cannot approve the request for closure for above-referenced site, in accordance with 19.15.36 NMAC (Part 36).

> Chevron must collect soil samples in the treatment zone (0 – 1') and analyze the samples from each cell proposed to be closed for all 12 metals listed (excluding U) in Subsections A and B of 20.6.2.3103 NMAC (WQCC rule) in accordance with 19.15.36.15.F.(5) NMAC. This will necessitate the collection of background samples for the four metals listed in Subsection B of 20.6.2.3103 NMAC (copper, iron, manganese, and zinc) since background have not been established for these constituents. Please submit the results of the treatment zone sampling and background sampling to the OCD for review and approval. Chevron may be required to propose alternative closure standards in accordance with 19.15.36.15.F.(5) NMAC.

In addition to the matter of cell closure, since vadose zone monitoring results indicated that Cells 18, 21, 25, 26 have exceeded the background concentrations for TPH and Cells 19, 21, 25 have exceeded the background concentration for chloride during the last sampling event, Chevron must submit a response action plan by March 20, 2009, in accordance with 19.15.36.15.E.(5) NMAC.

Please keep in mind that Chevron must follow the conditions of their permit even if the conditions differ from Part 36. In particular, the TPH performance standard for "soils to be left in place" (see condition #8 under Landfarm Operation of the Permit NM-02-0012) at your facility is 500 mg/Kg, not 2500 mg/Kg as stated in Part 36. However, the benzene performance standard for these same soils is 10 mg/Kg, not 0,2 mg/Kg as stated in Part 36. Also, WQCC standards are not to be used for initial performance standards in lieu of Part 36 performance standards.

If you have any questions regarding these matters, please contact me at 505-476-3489.

Edward J. Hansen
Hydrologist
Environmental Bureau

scanned by the Sybari - Antigen Email System.

Michelle Green

From: Michelle Green
Sent: Friday, March 13, 2009 8:03 AM
To: 'Hansen, Edward J., EMNRD'; bailerg@chevron.com
Cc: Mark Larson
Subject: RE: 2008 Annual Report for Chevron SWMF NM-02-0012 - Additional Sampling Required

Dear Mr. Hansen:

Larson & Associates, Inc. (LAI), on behalf of Chevron North America Exploration and Production Company (Chevron), submits this response action plan to the *'2008 Annual Report for Chevron SWMF NM-02-0012 – Additional Sampling Required'* letter (dated March 6, 2009).

Chevron proposes the following:

- Collect a new background sample, north of the utilized cells to establish a representative baseline. The sample will be analyzed for TPH, BTEX, Chloride and metals (to include copper, iron, manganese and zinc).
- A random 5-part soil composite from the treatment zone (0-1') will be collected from each active cell. The samples will be analyzed for TPH, BTEX and metals (excluding uranium) as listed in Subsections A and B of 20.6.2.3103 NMAC.
- The vadose zone will be re-sampled for each active cell and the final results compared to the background sample. The samples will be analyzed for TPH, BTEX, chloride and metals (excluding uranium).
- A report of the results of the treatment zone and background samplings will be submitted to the OCD for review, including a plan for additional work, if necessary.
- Bi-weekly tilling will continue.

Please let me know if the response action plan is satisfactory and meets the requirements set forth in the letter. If you have any questions or require additional information please contact Mr. Rodney Bailey with Chevron at (432) 894-3519 or via email bailerg@chevron.com or myself at (432) 687-0901 or via email michelle@laenvironmental.com.

Thank you,

Michelle L. Green
Larson & Associates, Inc.
507 N Marienfeld, Suite 200
Midland, TX 79701

Office: 432.687.0901
Fax: 432.687.0789
Cell: 432.934.3231

Larson & Associates, Inc.
Environmental Consultants

From: Hansen, Edward J., EMNRD [mailto:edwardj.hansen@state.nm.us]
Sent: Friday, March 06, 2009 11:01 AM
To: bailerg@chevron.com
Cc: Michelle Green
Subject: 2008 Annual Report for Chevron SWMF NM-02-0012 - Additional Sampling Required

Dear Mr. Bailey:

The New Mexico Oil Conservation Division (OCD) has received the cell closure report the above-referenced site, dated January 16, 2009, and has conducted a review of the report. The closure report, received February 3, 2009, indicates that Chevron has not completed the cell closure requirements. Therefore, the OCD cannot approve the request for closure for above-referenced site, in accordance with 19.15.36 NMAC (Part 36).

> Chevron must collect soil samples in the treatment zone (0 – 1') and analyze the samples from each cell proposed to be closed for all 12 metals listed (excluding U) in Subsections A and B of 20.6.2.3103 NMAC (WQCC rule) in accordance with 19.15.36.15.F.(5) NMAC. This will necessitate the collection of background samples for the four metals listed in Subsection B of 20.6.2.3103 NMAC (copper, iron, manganese, and zinc) since background have not been established for these constituents. Please submit the results of the treatment zone sampling and background sampling to the OCD for review and approval. Chevron may be required to propose alternative closure standards in accordance with 19.15.36.15.F.(5) NMAC.

In addition to the matter of cell closure, since vadose zone monitoring results indicated that Cells 18, 21, 25, 26 have exceeded the background concentrations for TPH and Cells 19, 21, 25 have exceeded the background concentration for chloride during the last sampling event, Chevron must submit a response action plan by March 20, 2009, in accordance with 19.15.36.15.E.(5) NMAC.

Please keep in mind that Chevron must follow the conditions of their permit even if the conditions differ from Part 36. In particular, the TPH performance standard for "soils to be left in place" (see condition #8 under Landfarm Operation of the Permit NM-02-0012) at your facility is 500 mg/Kg, not 2500 mg/Kg as stated in Part 36. However, the benzene performance standard for these same soils is 10 mg/Kg, not 0,2 mg/Kg as stated in Part 36. Also, WQCC standards are not to be used for initial performance standards in lieu of Part 36 performance standards.

If you have any questions regarding these matters, please contact me at 505-476-3489.

Edward J. Hansen
Hydrologist
Environmental Bureau

the intended recipient, please contact the sender and destroy all copies of this message. -- This email has been scanned by the Sybari - Antigen Email System.

DHL ANALYTICAL

April 07, 2009

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

TEL: (432) 687-0901
FAX: (432) 687-0456

RECEIVED
APR 14 2009
BY:_____

Order No.: 0903211

RE: Chevron Landfarm

Dear Michelle Green:

DHL Analytical received 7 sample(s) on 3/27/2009 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: T104704211-08C-TX

2300 Double Creek Drive • Round Rock, TX 78664 • Phone (512) 388-8222 • FAX (512) 388-8229
www.dhlanalytical.com

Table of Contents

CHAIN-OF-CUSTODY

Larson & Associates, Inc.
Environmental Consultants
507 N. Marienfeld, Ste. 200
Midland, TX 79701
432-687-0901

Data Reported to: M. Green

DATE: 3-25-09 PAGE 1 OF 1
PO #: LAB WORK ORDER #: 0903211
PROJECT LOCATION OR NAME: Chevron Landfarm
LAI PROJECT #: 6-0137 COLLECTOR:

TRRP report? ☐ Yes ☒ No
TIME ZONE: Time zone/State: MST / NM

S=SOIL P=PAINT
W=WATER SL=SLUDGE
A=AIR OT=OTHER

Field Sample I.D.	Lab #	Date	Time (MST)	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESERVED	ANALYSES: BTEX ☒ MTBE ☐	TRPH 418.1 ☒ TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☒	DIESEL - MOD 8015 ☒	VOC 8260 ☐	SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☒	LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDE ☒ ANIONS ☐ ALKALINITY ☐	FIELD NOTES
Cell 17 (2-3')	01	3-25-09	1200	S	2				X	X	X	X	X	X					X						X			Metals: As, Ba, Cd
Cell 18 (2-3')	02	"	1405	"	"				"	"	"	"	"	"					"						"			Cr, Pb, Hg, Se
Cell 19 (2-3')	03	"	1445	"	"				"	"	"	"	"	"					"						"			Ag, Cu, Fe, Mn
Cell 20 (2-3')	04	"	1520	"	"				"	"	"	"	"	"					"						"			Zn
Cell 21 (2-3')	05	"	1035	"	"				"	"	"	"	"	"					"						"			
Cell 25 (2-3')	06	"	0920	"	"				"	"	"	"	"	"					"						"			
Cell 26 (2-3')	07	"	0950	"	"				"	"	"	"	"	"					"						"			

TOTAL

RELINQUISHED BY: (Signature) DATE/TIME 3-26-09/0745 RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature) DATE/TIME 3/26/09 3:30 RECEIVED BY: (Signature) LSO
RELINQUISHED BY: (Signature) LSO DATE/TIME 3/27/09 0930 RECEIVED BY: (Signature)

TURN AROUND TIME
NORMAL ☒
1 DAY ☐
2 DAY ☐
OTHER ☐

LABORATORY USE ONLY:
RECEIVING TEMP: 4.2°C THERM #: 57
CUSTODY SEALS - ☐ BROKEN ☒ INTACT ☐ NOT USED
☒ CARRIER BILL # LSO
☐ HAND DELIVERED

Lone Star Overnight

Airbill No. Z5149193

Lone Star Overnight
800.800.8984
www.lso.com

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

From: MICHELLE GREEN
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**
Date Printed: 3/26/2009

Fold on above line and place shipping label in pouch on package. Please be sure the barcodes and addresses can be read and scanned.

CUSTODY SEAL
DATE 3/26/09
SIGNATURE

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

DHL Analytical

Sample Receipt Checklist

Client Name **Larson & Associates** Date Received: **3/27/2009**

Work Order Number **0903211** Received by **AK**

Checklist completed by: Signature 3/27/09 Date Reviewed by Initials 3/27/09 Date

Carrier name: LoneStar

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping 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 ☐	4.2 °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: 0903211

CASE NARRATIVE

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

Method SW6020 - Metals Analysis
Method SW7471A - Mercury Analysis
Method SW8021B - Volatile Organics by GC
Method E300 - Anions Analysis
Method E418 - TRPH Analysis (Parameter Not NELAC Certified)
Method M8015V - GRO Analysis
Method M8015D - DRO Analysis
Method D2216 - Percent Moisture

LOG IN

The samples were received and log-in performed on 3/27/09. A total of 7 sample were received. The time of collection was Mountain Standard Time. The samples arrived in good condition and were properly packaged.

METALS ANALYSIS

For Metals analysis performed on 4/1/09 the matrix spike and matrix spike duplicate recoveries were out of control limits for a few analytes. These are flagged accordingly in the QC summary report. The reference sample selected for the matrix spike and matrix spike duplicate was not from this work order. The LCS was within control limits for these analytes. No further corrective actions were taken.

For Metals analysis performed on 4/1/09 the RPD for the serial dilution was above control limits for some analytes. These are flagged accordingly. The PDS was within control limits for these analytes. No further corrective actions were taken.

GRO ANALYSIS

For GRO analysis performed on 3/30/09 CCV2 was re-run outside of the 12 hour window. The CCV2 was within control limits.

DHL Analytical

Date: 04/07/09

CLIENT: Larson & Associates
Project: Chevron Landfarm
Lab Order: 0903211

Work Order Sample Summary

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recv'd
0903211-01	Cell 17 (2-3')		03/25/09 12:00 PM	03/27/09
0903211-02	Cell 18 (2-3')		03/25/09 02:05 PM	03/27/09
0903211-03	Cell 19 (2-3')		03/25/09 02:45 PM	03/27/09
0903211-04	Cell 20 (2-3)		03/25/09 03:20 PM	03/27/09
0903211-05	Cell 21 (2-3')		03/25/09 10:35 AM	03/27/09
0903211-06	Cell 25 (2-3')		03/25/09 09:20 AM	03/27/09
0903211-07	Cell 26 (2-3')		03/25/09 09:50 AM	03/27/09

CLIENT: Larson & Associates
Project: Chevron Landfarm
Lab Order: 0903211

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
0903211-01A	Cell 17 (2-3')	03/25/09 12:00 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	03/30/09 08:59 AM	34189
	Cell 17 (2-3')	03/25/09 12:00 PM	Soil	SW5030B	Purge and Trap Soils GC	03/31/09 11:30 AM	34232
0903211-01B	Cell 17 (2-3')	03/25/09 12:00 PM	Soil	SW3550B	Soil Prep Sonication: TRPH	04/03/09 09:01 AM	34294
	Cell 17 (2-3')	03/25/09 12:00 PM	Soil	SW3550B	Soil Prep Sonication: DRO	03/30/09 02:04 PM	34207
	Cell 17 (2-3')	03/25/09 12:00 PM	Soil	E300	Anion Prep	04/03/09 08:24 AM	34293
	Cell 17 (2-3')	03/25/09 12:00 PM	Soil	SW7471A	Mercury Soil Prep, Total	04/01/09 09:00 AM	34244
	Cell 17 (2-3')	03/25/09 12:00 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	04/01/09 09:00 AM	34241
	Cell 17 (2-3')	03/25/09 12:00 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	04/01/09 09:00 AM	34241
	Cell 17 (2-3')	03/25/09 12:00 PM	Soil	D2216	Moisture Preparation	03/27/09 11:30 AM	34178
0903211-02A	Cell 18 (2-3')	03/25/09 02:05 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	03/30/09 08:59 AM	34189
	Cell 18 (2-3')	03/25/09 02:05 PM	Soil	SW5030B	Purge and Trap Soils GC	03/31/09 11:30 AM	34232
0903211-02B	Cell 18 (2-3')	03/25/09 02:05 PM	Soil	SW3550B	Soil Prep Sonication: TRPH	04/03/09 09:01 AM	34294
	Cell 18 (2-3')	03/25/09 02:05 PM	Soil	SW3550B	Soil Prep Sonication: DRO	03/30/09 02:04 PM	34207
	Cell 18 (2-3')	03/25/09 02:05 PM	Soil	E300	Anion Prep	04/03/09 08:24 AM	34293
	Cell 18 (2-3')	03/25/09 02:05 PM	Soil	SW7471A	Mercury Soil Prep, Total	04/01/09 09:00 AM	34244
	Cell 18 (2-3')	03/25/09 02:05 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	04/01/09 09:00 AM	34241
	Cell 18 (2-3')	03/25/09 02:05 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	04/01/09 09:00 AM	34241
	Cell 18 (2-3')	03/25/09 02:05 PM	Soil	D2216	Moisture Preparation	03/27/09 11:30 AM	34178
0903211-03A	Cell 19 (2-3')	03/25/09 02:45 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	03/30/09 08:59 AM	34189
	Cell 19 (2-3')	03/25/09 02:45 PM	Soil	SW5030B	Purge and Trap Soils GC	03/31/09 11:30 AM	34232
0903211-03B	Cell 19 (2-3')	03/25/09 02:45 PM	Soil	SW3550B	Soil Prep Sonication: TRPH	04/03/09 09:01 AM	34294
	Cell 19 (2-3')	03/25/09 02:45 PM	Soil	SW3550B	Soil Prep Sonication: DRO	03/30/09 02:04 PM	34207
	Cell 19 (2-3')	03/25/09 02:45 PM	Soil	E300	Anion Prep	04/03/09 08:24 AM	34293
	Cell 19 (2-3')	03/25/09 02:45 PM	Soil	SW7471A	Mercury Soil Prep, Total	04/01/09 09:00 AM	34244
	Cell 19 (2-3')	03/25/09 02:45 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	04/01/09 09:00 AM	34241
	Cell 19 (2-3')	03/25/09 02:45 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	04/01/09 09:00 AM	34241
	Cell 19 (2-3')	03/25/09 02:45 PM	Soil	D2216	Moisture Preparation	03/27/09 11:30 AM	34178
0903211-04A	Cell 20 (2-3)	03/25/09 03:20 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	03/30/09 08:59 AM	34189
	Cell 20 (2-3)	03/25/09 03:20 PM	Soil	SW5030B	Purge and Trap Soils GC	03/31/09 11:30 AM	34232

CLIENT: Larson & Associates
Project: Chevron Landfarm
Lab Order: 0903211

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
0903211-04B	Cell 20 (2-3)	03/25/09 03:20 PM	Soil	SW3550B	Soil Prep Sonication: TRPH	04/03/09 09:01 AM	34294
	Cell 20 (2-3)	03/25/09 03:20 PM	Soil	SW3550B	Soil Prep Sonication: DRO	03/30/09 02:04 PM	34207
	Cell 20 (2-3)	03/25/09 03:20 PM	Soil	E300	Anion Prep	04/03/09 08:24 AM	34293
	Cell 20 (2-3)	03/25/09 03:20 PM	Soil	SW7471A	Mercury Soil Prep, Total	04/01/09 09:00 AM	34244
	Cell 20 (2-3)	03/25/09 03:20 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	04/01/09 09:00 AM	34241
	Cell 20 (2-3)	03/25/09 03:20 PM	Soil	D2216	Moisture Preparation	03/27/09 11:30 AM	34178
0903211-05A	Cell 21 (2-3')	03/25/09 10:35 AM	Soil	SW5030B	Purge and Trap Soils GC- Gas	03/30/09 08:59 AM	34189
	Cell 21 (2-3')	03/25/09 10:35 AM	Soil	SW5030B	Purge and Trap Soils GC	03/31/09 11:30 AM	34232
0903211-05B	Cell 21 (2-3')	03/25/09 10:35 AM	Soil	SW3550B	Soil Prep Sonication: TRPH	04/03/09 09:01 AM	34294
	Cell 21 (2-3')	03/25/09 10:35 AM	Soil	SW3550B	Soil Prep Sonication: DRO	03/30/09 02:04 PM	34207
	Cell 21 (2-3')	03/25/09 10:35 AM	Soil	E300	Anion Prep	04/03/09 08:24 AM	34293
	Cell 21 (2-3')	03/25/09 10:35 AM	Soil	SW7471A	Mercury Soil Prep, Total	04/01/09 09:00 AM	34244
	Cell 21 (2-3')	03/25/09 10:35 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	04/01/09 09:00 AM	34241
	Cell 21 (2-3')	03/25/09 10:35 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	04/01/09 09:00 AM	34241
	Cell 21 (2-3')	03/25/09 10:35 AM	Soil	D2216	Moisture Preparation	03/27/09 11:30 AM	34178
0903211-06A	Cell 25 (2-3')	03/25/09 09:20 AM	Soil	SW5030B	Purge and Trap Soils GC- Gas	03/30/09 08:59 AM	34189
	Cell 25 (2-3')	03/25/09 09:20 AM	Soil	SW5030B	Purge and Trap Soils GC	03/31/09 11:30 AM	34232
0903211-06B	Cell 25 (2-3')	03/25/09 09:20 AM	Soil	SW3550B	Soil Prep Sonication: TRPH	04/03/09 09:01 AM	34294
	Cell 25 (2-3')	03/25/09 09:20 AM	Soil	SW3550B	Soil Prep Sonication: DRO	03/30/09 02:04 PM	34207
	Cell 25 (2-3')	03/25/09 09:20 AM	Soil	E300	Anion Prep	04/03/09 08:24 AM	34293
	Cell 25 (2-3')	03/25/09 09:20 AM	Soil	SW7471A	Mercury Soil Prep, Total	04/01/09 09:00 AM	34244
	Cell 25 (2-3')	03/25/09 09:20 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	04/01/09 09:00 AM	34241
	Cell 25 (2-3')	03/25/09 09:20 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	04/01/09 09:00 AM	34241
	Cell 25 (2-3')	03/25/09 09:20 AM	Soil	D2216	Moisture Preparation	03/27/09 11:30 AM	34178
0903211-07A	Cell 26 (2-3')	03/25/09 09:50 AM	Soil	SW5030B	Purge and Trap Soils GC- Gas	03/30/09 08:59 AM	34189
	Cell 26 (2-3')	03/25/09 09:50 AM	Soil	SW5030B	Purge and Trap Soils GC	03/31/09 11:30 AM	34232
0903211-07B	Cell 26 (2-3')	03/25/09 09:50 AM	Soil	SW3550B	Soil Prep Sonication: TRPH	04/03/09 09:01 AM	34294
	Cell 26 (2-3')	03/25/09 09:50 AM	Soil	SW3550B	Soil Prep Sonication: DRO	03/30/09 02:04 PM	34207
	Cell 26 (2-3')	03/25/09 09:50 AM	Soil	E300	Anion Prep	04/03/09 08:24 AM	34293

DHL Analytical

Date: 04/07/09

CLIENT: Larson & Associates
Project: Chevron Landfarm
Lab Order: 0903211

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
	Cell 26 (2-3')	03/25/09 09:50 AM	Soil	SW7471A	Mercury Soil Prep, Total	04/01/09 09:00 AM	34244
	Cell 26 (2-3')	03/25/09 09:50 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	04/01/09 09:00 AM	34241
	Cell 26 (2-3')	03/25/09 09:50 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	04/01/09 09:00 AM	34241
	Cell 26 (2-3')	03/25/09 09:50 AM	Soil	D2216	Moisture Preparation	03/27/09 11:30 AM	34178

CLIENT: Larson & Associates
Project: Chevron Landfarm
Lab Order: 0903211

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
0903211-01A	Cell 17 (2-3')	Soil	M8015V	Modified 8015 Gasoline (GRO)	34189	1	03/30/09 03:29 PM	GC4_090330A
	Cell 17 (2-3')	Soil	SW8021B	Volatile Organics by GC	34232	1	03/31/09 03:53 PM	GC4_090331A
0903211-01B	Cell 17 (2-3')	Soil	E300	Anions by IC method - Soil	34293	1	04/06/09 12:16 PM	IC2_090406A
	Cell 17 (2-3')	Soil	D2216	Percent Moisture	34178	1	03/27/09 03:30 PM	PMOIST_090327A
	Cell 17 (2-3')	Soil	SW7471A	Total Mercury: Soil/Solid	34244	1	04/03/09 12:42 PM	CETAC_HG_090403A
	Cell 17 (2-3')	Soil	M8015D	TPH Extractable by GC - Soil	34207	1	03/30/09 07:10 PM	GC15_090330A
	Cell 17 (2-3')	Soil	SW6020	Trace Metals: ICP-MS - Solid	34241	5	04/01/09 09:22 PM	ICP-MS2_090401B
	Cell 17 (2-3')	Soil	SW6020	Trace Metals: ICP-MS - Solid	34241	25	04/02/09 03:43 PM	ICP-MS3_090402B
	Cell 17 (2-3')	Soil	E418.1	TRPH	34294	1	04/03/09 09:30 AM	IR207_090403A
0903211-02A	Cell 18 (2-3')	Soil	M8015V	Modified 8015 Gasoline (GRO)	34189	1	03/30/09 03:52 PM	GC4_090330A
	Cell 18 (2-3')	Soil	SW8021B	Volatile Organics by GC	34232	1	03/31/09 04:15 PM	GC4_090331A
0903211-02B	Cell 18 (2-3')	Soil	E300	Anions by IC method - Soil	34293	10	04/06/09 12:30 PM	IC2_090406A
	Cell 18 (2-3')	Soil	D2216	Percent Moisture	34178	1	03/27/09 03:30 PM	PMOIST_090327A
	Cell 18 (2-3')	Soil	SW7471A	Total Mercury: Soil/Solid	34244	1	04/03/09 12:48 PM	CETAC_HG_090403A
	Cell 18 (2-3')	Soil	M8015D	TPH Extractable by GC - Soil	34207	1	03/30/09 07:27 PM	GC15_090330A
	Cell 18 (2-3')	Soil	SW6020	Trace Metals: ICP-MS - Solid	34241	5	04/01/09 09:27 PM	ICP-MS2_090401B
	Cell 18 (2-3')	Soil	SW6020	Trace Metals: ICP-MS - Solid	34241	25	04/02/09 03:48 PM	ICP-MS3_090402B
	Cell 18 (2-3')	Soil	E418.1	TRPH	34294	1	04/03/09 09:30 AM	IR207_090403A
0903211-03A	Cell 19 (2-3')	Soil	M8015V	Modified 8015 Gasoline (GRO)	34189	1	03/30/09 04:14 PM	GC4_090330A
	Cell 19 (2-3')	Soil	SW8021B	Volatile Organics by GC	34232	1	03/31/09 05:20 PM	GC4_090331A
0903211-03B	Cell 19 (2-3')	Soil	E300	Anions by IC method - Soil	34293	1	04/06/09 12:45 PM	IC2_090406A
	Cell 19 (2-3')	Soil	D2216	Percent Moisture	34178	1	03/27/09 03:30 PM	PMOIST_090327A
	Cell 19 (2-3')	Soil	SW7471A	Total Mercury: Soil/Solid	34244	1	04/03/09 12:51 PM	CETAC_HG_090403A
	Cell 19 (2-3')	Soil	M8015D	TPH Extractable by GC - Soil	34207	1	03/30/09 07:44 PM	GC15_090330A
	Cell 19 (2-3')	Soil	SW6020	Trace Metals: ICP-MS - Solid	34241	5	04/01/09 09:33 PM	ICP-MS2_090401B
	Cell 19 (2-3')	Soil	SW6020	Trace Metals: ICP-MS - Solid	34241	25	04/02/09 03:54 PM	ICP-MS3_090402B
	Cell 19 (2-3')	Soil	E418.1	TRPH	34294	1	04/03/09 09:30 AM	IR207_090403A
0903211-04A	Cell 20 (2-3)	Soil	M8015V	Modified 8015 Gasoline (GRO)	34189	1	03/30/09 04:36 PM	GC4_090330A
	Cell 20 (2-3)	Soil	SW8021B	Volatile Organics by GC	34232	1	03/31/09 04:37 PM	GC4_090331A

CLIENT: Larson & Associates
Project: Chevron Landfarm
Lab Order: 0903211

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
0903211-04B	Cell 20 (2-3)	Soil	E300	Anions by IC method - Soil	34293	1	04/06/09 01:00 PM	IC2_090406A
	Cell 20 (2-3)	Soil	D2216	Percent Moisture	34178	1	03/27/09 03:30 PM	PMOIST_090327A
	Cell 20 (2-3)	Soil	SW7471A	Total Mercury: Soil/Solid	34244	1	04/03/09 12:53 PM	CETAC_HG_090403A
	Cell 20 (2-3)	Soil	M8015D	TPH Extractable by GC - Soil	34207	1	03/30/09 08:01 PM	GC15_090330A
	Cell 20 (2-3)	Soil	SW6020	Trace Metals: ICP-MS - Solid	34241	5	04/01/09 09:38 PM	ICP-MS2_090401B
	Cell 20 (2-3)	Soil	E418.1	TRPH	34294	1	04/03/09 09:30 AM	IR207_090403A
0903211-05A	Cell 21 (2-3')	Soil	M8015V	Modified 8015 Gasoline (GRO)	34189	1	03/30/09 04:58 PM	GC4_090330A
	Cell 21 (2-3')	Soil	SW8021B	Volatile Organics by GC	34232	1	03/31/09 04:59 PM	GC4_090331A
0903211-05B	Cell 21 (2-3')	Soil	E300	Anions by IC method - Soil	34293	1	04/06/09 01:52 PM	IC2_090406A
	Cell 21 (2-3')	Soil	D2216	Percent Moisture	34178	1	03/27/09 03:30 PM	PMOIST_090327A
	Cell 21 (2-3')	Soil	SW7471A	Total Mercury: Soil/Solid	34244	1	04/03/09 12:55 PM	CETAC_HG_090403A
	Cell 21 (2-3')	Soil	M8015D	TPH Extractable by GC - Soil	34207	1	04/01/09 09:54 AM	GC15_090330A
	Cell 21 (2-3')	Soil	SW6020	Trace Metals: ICP-MS - Solid	34241	5	04/01/09 10:22 PM	ICP-MS2_090401B
	Cell 21 (2-3')	Soil	SW6020	Trace Metals: ICP-MS - Solid	34241	25	04/02/09 03:59 PM	ICP-MS3_090402B
	Cell 21 (2-3')	Soil	E418.1	TRPH	34294	1	04/03/09 09:30 AM	IR207_090403A
0903211-06A	Cell 25 (2-3')	Soil	M8015V	Modified 8015 Gasoline (GRO)	34189	1	03/30/09 08:18 PM	GC4_090330A
	Cell 25 (2-3')	Soil	SW8021B	Volatile Organics by GC	34232	1	03/31/09 07:30 PM	GC4_090331A
0903211-06B	Cell 25 (2-3')	Soil	E300	Anions by IC method - Soil	34293	1	04/06/09 02:07 PM	IC2_090406A
	Cell 25 (2-3')	Soil	D2216	Percent Moisture	34178	1	03/27/09 03:30 PM	PMOIST_090327A
	Cell 25 (2-3')	Soil	SW7471A	Total Mercury: Soil/Solid	34244	1	04/03/09 12:57 PM	CETAC_HG_090403A
	Cell 25 (2-3')	Soil	M8015D	TPH Extractable by GC - Soil	34207	1	04/01/09 10:11 AM	GC15_090330A
	Cell 25 (2-3')	Soil	SW6020	Trace Metals: ICP-MS - Solid	34241	5	04/01/09 10:27 PM	ICP-MS2_090401B
	Cell 25 (2-3')	Soil	SW6020	Trace Metals: ICP-MS - Solid	34241	25	04/02/09 04:04 PM	ICP-MS3_090402B
	Cell 25 (2-3')	Soil	E418.1	TRPH	34294	1	04/03/09 09:30 AM	IR207_090403A
0903211-07A	Cell 26 (2-3')	Soil	M8015V	Modified 8015 Gasoline (GRO)	34189	1	03/30/09 08:40 PM	GC4_090330A
	Cell 26 (2-3')	Soil	SW8021B	Volatile Organics by GC	34232	1	03/31/09 07:51 PM	GC4_090331A
0903211-07B	Cell 26 (2-3')	Soil	E300	Anions by IC method - Soil	34293	1	04/06/09 02:21 PM	IC2_090406A
	Cell 26 (2-3')	Soil	D2216	Percent Moisture	34178	1	03/27/09 03:30 PM	PMOIST_090327A
	Cell 26 (2-3')	Soil	SW7471A	Total Mercury: Soil/Solid	34244	1	04/03/09 12:59 PM	CETAC_HG_090403A

CLIENT: Larson & Associates
Project: Chevron Landfarm
Lab Order: 0903211

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
	Cell 26 (2-3')	Soil	M8015D	TPH Extractable by GC - Soil	34207	1	04/01/09 10:27 AM	GC15_090330A
	Cell 26 (2-3')	Soil	SW6020	Trace Metals: ICP-MS - Solid	34241	5	04/01/09 10:33 PM	ICP-MS2_090401B
	Cell 26 (2-3')	Soil	SW6020	Trace Metals: ICP-MS - Solid	34241	25	04/02/09 04:09 PM	ICP-MS3_090402B
	Cell 26 (2-3')	Soil	E418.1	TRPH	34294	1	04/03/09 09:30 AM	IR207_090403A

DHL Analytical

Date: *20-Apr-09*

CLIENT:	Larson & Associates	**Client Sample ID:**	Cell 17 (2-3')
Project:	Chevron Landfarm	**Lab ID:**	0903211-01
Project No:	6-0137	**Collection Date:**	03/25/09 12:00 PM
Lab Order:	0903211	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL		**M8015D**					Analyst: **AV**
TPH-DRO C10-C28	ND	3.19	10.6		mg/Kg-dry	1	03/30/09 07:10 PM
Surr: Isopropylbenzene	61.4	0	47-142		%REC	1	03/30/09 07:10 PM
Surr: Octacosane	72.7	0	25-162		%REC	1	03/30/09 07:10 PM
MODIFIED 8015 GASOLINE (GRO)		**M8015V**					Analyst: **JAW**
Gasoline Range Organics	ND	0.0772	0.221		mg/Kg-dry	1	03/30/09 03:29 PM
Surr: Tetrachlorethene	89.9	0	70-134		%REC	1	03/30/09 03:29 PM
VOLATILE ORGANICS BY GC		**SW8021B**					Analyst: **JAW**
Benzene	ND	0.00289	0.00481		mg/Kg-dry	1	03/31/09 03:53 PM
Ethylbenzene	ND	0.00481	0.0144		mg/Kg-dry	1	03/31/09 03:53 PM
Toluene	ND	0.00481	0.0144		mg/Kg-dry	1	03/31/09 03:53 PM
Xylenes, Total	ND	0.00481	0.0144		mg/Kg-dry	1	03/31/09 03:53 PM
Surr: Tetrachloroethene	113	0	79-135		%REC	1	03/31/09 03:53 PM
TOTAL MERCURY: SOIL/SOLID		**SW7471A**					Analyst: **LM**
Mercury	ND	0.0169	0.0422		mg/Kg-dry	1	04/03/09 12:42 PM
TRACE METALS: ICP-MS - SOLID		**SW6020**					Analyst: **KW**
Arsenic	4.43	0.498	0.997		mg/Kg-dry	5	04/01/09 09:22 PM
Barium	1330	2.49	9.97		mg/Kg-dry	25	04/02/09 03:43 PM
Cadmium	0.182	0.0997	0.299	J	mg/Kg-dry	5	04/01/09 09:22 PM
Chromium	3.64	0.498	1.99		mg/Kg-dry	5	04/01/09 09:22 PM
Copper	2.17	0.498	1.99		mg/Kg-dry	5	04/01/09 09:22 PM
Iron	2440	12.5	12.5		mg/Kg-dry	5	04/01/09 09:22 PM
Lead	1.93	0.0997	0.299		mg/Kg-dry	5	04/01/09 09:22 PM
Manganese	26.6	0.498	1.99		mg/Kg-dry	5	04/01/09 09:22 PM
Selenium	1.35	0.150	0.498		mg/Kg-dry	5	04/01/09 09:22 PM
Silver	ND	0.0997	0.199		mg/Kg-dry	5	04/01/09 09:22 PM
Zinc	6.94	0.997	2.49		mg/Kg-dry	5	04/01/09 09:22 PM
TRPH		**E418.1**					Analyst: **DEW**
Petroleum Hydrocarbons, TR	ND	5.54	11.1	N	mg/Kg-dry	1	04/03/09 09:30 AM
ANIONS BY IC METHOD - SOIL		**E300**					Analyst: **JBC**
Chloride	134	5.55	5.55		mg/Kg-dry	1	04/06/09 12:16 PM
PERCENT MOISTURE		**D2216**					Analyst: **RP**
Percent Moisture	10.4	0	0		WT%	1	03/27/09 03:30 PM

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		

(W) 4/21/09

DHL Analytical

Date: *20-Apr-09*

CLIENT:	Larson & Associates	**Client Sample ID:**	Cell 18 (2-3')
Project:	Chevron Landfarm	**Lab ID:**	0903211-02
Project No:	6-0137	**Collection Date:**	03/25/09 02:05 PM
Lab Order:	0903211	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL		**M8015D**					Analyst: **AV**
TPH-DRO C10-C28	ND	3.35	11.2		mg/Kg-dry	1	03/30/09 07:27 PM
Surr: Isopropylbenzene	56.3	0	47-142		%REC	1	03/30/09 07:27 PM
Surr: Octacosane	67.4	0	25-162		%REC	1	03/30/09 07:27 PM
MODIFIED 8015 GASOLINE (GRO)		**M8015V**					Analyst: **JAW**
Gasoline Range Organics	ND	0.0707	0.202		mg/Kg-dry	1	03/30/09 03:52 PM
Surr: Tetrachlorethene	94.1	0	70-134		%REC	1	03/30/09 03:52 PM
VOLATILE ORGANICS BY GC		**SW8021B**					Analyst: **JAW**
Benzene	ND	0.00311	0.00519		mg/Kg-dry	1	03/31/09 04:15 PM
Ethylbenzene	ND	0.00519	0.0156		mg/Kg-dry	1	03/31/09 04:15 PM
Toluene	ND	0.00519	0.0156		mg/Kg-dry	1	03/31/09 04:15 PM
Xylenes, Total	ND	0.00519	0.0156		mg/Kg-dry	1	03/31/09 04:15 PM
Surr: Tetrachloroethene	117	0	79-135		%REC	1	03/31/09 04:15 PM
TOTAL MERCURY: SOIL/SOLID		**SW7471A**					Analyst: **LM**
Mercury	ND	0.0156	0.0391		mg/Kg-dry	1	04/03/09 12:48 PM
TRACE METALS: ICP-MS - SOLID		**SW6020**					Analyst: **KW**
Arsenic	4.81	0.558	1.12		mg/Kg-dry	5	04/01/09 09:27 PM
Barium	730	2.79	11.2		mg/Kg-dry	25	04/02/09 03:48 PM
Cadmium	ND	0.112	0.335		mg/Kg-dry	5	04/01/09 09:27 PM
Chromium	3.46	0.558	2.23		mg/Kg-dry	5	04/01/09 09:27 PM
Copper	2.25	0.558	2.23		mg/Kg-dry	5	04/01/09 09:27 PM
Iron	2200	14.0	14.0		mg/Kg-dry	5	04/01/09 09:27 PM
Lead	1.36	0.112	0.335		mg/Kg-dry	5	04/01/09 09:27 PM
Manganese	24.0	0.558	2.23		mg/Kg-dry	5	04/01/09 09:27 PM
Selenium	0.909	0.168	0.558		mg/Kg-dry	5	04/01/09 09:27 PM
Silver	ND	0.112	0.223		mg/Kg-dry	5	04/01/09 09:27 PM
Zinc	10.2	1.12	2.79		mg/Kg-dry	5	04/01/09 09:27 PM
TRPH		**E418.1**					Analyst: **DEW**
Petroleum Hydrocarbons, TR	ND	5.55	11.1	N	mg/Kg-dry	1	04/03/09 09:30 AM
ANIONS BY IC METHOD - SOIL		**E300**					Analyst: **JBC**
Chloride	353	57.6	57.6		mg/Kg-dry	10	04/06/09 12:30 PM
PERCENT MOISTURE		**D2216**					Analyst: **RP**
Percent Moisture	13.9	0	0		WT%	1	03/27/09 03:30 PM

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		

(LW) 9/21/09

DHL Analytical

Date: *20-Apr-09*

CLIENT:	Larson & Associates	**Client Sample ID:**	Cell 19 (2-3')
Project:	Chevron Landfarm	**Lab ID:**	0903211-03
Project No:	6-0137	**Collection Date:**	03/25/09 02:45 PM
Lab Order:	0903211	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL		**M8015D**					Analyst: **AV**
TPH-DRO C10-C28	ND	3.08	10.3		mg/Kg-dry	1	03/30/09 07:44 PM
Surr: Isopropylbenzene	59.5	0	47-142		%REC	1	03/30/09 07:44 PM
Surr: Octacosane	69.3	0	25-162		%REC	1	03/30/09 07:44 PM
MODIFIED 8015 GASOLINE (GRO)		**M8015V**					Analyst: **JAW**
Gasoline Range Organics	ND	0.0662	0.189		mg/Kg-dry	1	03/30/09 04:14 PM
Surr: Tetrachlorethene	90.1	0	70-134		%REC	1	03/30/09 04:14 PM
VOLATILE ORGANICS BY GC		**SW8021B**					Analyst: **JAW**
Benzene	ND	0.00318	0.00530		mg/Kg-dry	1	03/31/09 05:20 PM
Ethylbenzene	ND	0.00530	0.0159		mg/Kg-dry	1	03/31/09 05:20 PM
Toluene	ND	0.00530	0.0159		mg/Kg-dry	1	03/31/09 05:20 PM
Xylenes, Total	ND	0.00530	0.0159		mg/Kg-dry	1	03/31/09 05:20 PM
Surr: Tetrachloroethene	114	0	79-135		%REC	1	03/31/09 05:20 PM
TOTAL MERCURY: SOIL/SOLID		**SW7471A**					Analyst: **LM**
Mercury	ND	0.0163	0.0407		mg/Kg-dry	1	04/03/09 12:51 PM
TRACE METALS: ICP-MS - SOLID		**SW6020**					Analyst: **KW**
Arsenic	2.84	0.510	1.02		mg/Kg-dry	5	04/01/09 09:33 PM
Barium	197	0.510	2.04		mg/Kg-dry	5	04/01/09 09:33 PM
Cadmium	0.118	0.102	0.306	J	mg/Kg-dry	5	04/01/09 09:33 PM
Chromium	4.28	0.510	2.04		mg/Kg-dry	5	04/01/09 09:33 PM
Copper	2.26	0.510	2.04		mg/Kg-dry	5	04/01/09 09:33 PM
Iron	3380	63.8	63.8		mg/Kg-dry	25	04/02/09 03:54 PM
Lead	2.30	0.102	0.306		mg/Kg-dry	5	04/01/09 09:33 PM
Manganese	38.1	0.510	2.04		mg/Kg-dry	5	04/01/09 09:33 PM
Selenium	1.23	0.153	0.510		mg/Kg-dry	5	04/01/09 09:33 PM
Silver	ND	0.102	0.204		mg/Kg-dry	5	04/01/09 09:33 PM
Zinc	7.97	1.02	2.55		mg/Kg-dry	5	04/01/09 09:33 PM
TRPH		**E418.1**					Analyst: **DEW**
Petroleum Hydrocarbons, TR	ND	5.39	10.8	N	mg/Kg-dry	1	04/03/09 09:30 AM
ANIONS BY IC METHOD - SOIL		**E300**					Analyst: **JBC**
Chloride	6.49	5.39	5.39		mg/Kg-dry	1	04/06/09 12:45 PM
PERCENT MOISTURE		**D2216**					Analyst: **RP**
Percent Moisture	7.58	0	0		WT%	1	03/27/09 03:30 PM

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 3 of 7~~

(W) 4/21/09

DHL Analytical

Date: *20-Apr-09*

CLIENT:	Larson & Associates	**Client Sample ID:**	Cell 20 (2-3)
Project:	Chevron Landfarm	**Lab ID:**	0903211-04
Project No:	6-0137	**Collection Date:**	03/25/09 03:20 PM
Lab Order:	0903211	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL		**M8015D**					Analyst: **AV**
TPH-DRO C10-C28	ND	3.54	11.8		mg/Kg-dry	1	03/30/09 08:01 PM
Surr: Isopropylbenzene	65.5	0	47-142		%REC	1	03/30/09 08:01 PM
Surr: Octacosane	74.7	0	25-162		%REC	1	03/30/09 08:01 PM
MODIFIED 8015 GASOLINE (GRO)		**M8015V**					Analyst: **JAW**
Gasoline Range Organics	ND	0.0785	0.224		mg/Kg-dry	1	03/30/09 04:36 PM
Surr: Tetrachlorethene	89.9	0	70-134		%REC	1	03/30/09 04:36 PM
VOLATILE ORGANICS BY GC		**SW8021B**					Analyst: **JAW**
Benzene	ND	0.00307	0.00512		mg/Kg-dry	1	03/31/09 04:37 PM
Ethylbenzene	ND	0.00512	0.0154		mg/Kg-dry	1	03/31/09 04:37 PM
Toluene	ND	0.00512	0.0154		mg/Kg-dry	1	03/31/09 04:37 PM
Xylenes, Total	ND	0.00512	0.0154		mg/Kg-dry	1	03/31/09 04:37 PM
Surr: Tetrachloroethene	112	0	79-135		%REC	1	03/31/09 04:37 PM
TOTAL MERCURY: SOIL/SOLID		**SW7471A**					Analyst: **LM**
Mercury	ND	0.0169	0.0424		mg/Kg-dry	1	04/03/09 12:53 PM
TRACE METALS: ICP-MS - SOLID		**SW6020**					Analyst: **KW**
Arsenic	4.29	0.555	1.11		mg/Kg-dry	5	04/01/09 09:38 PM
Barium	204	0.555	2.22		mg/Kg-dry	5	04/01/09 09:38 PM
Cadmium	ND	0.111	0.333		mg/Kg-dry	5	04/01/09 09:38 PM
Chromium	2.16	0.555	2.22	J	mg/Kg-dry	5	04/01/09 09:38 PM
Copper	2.00	0.555	2.22	J	mg/Kg-dry	5	04/01/09 09:38 PM
Iron	1370	13.9	13.9		mg/Kg-dry	5	04/01/09 09:38 PM
Lead	1.01	0.111	0.333		mg/Kg-dry	5	04/01/09 09:38 PM
Manganese	19.5	0.555	2.22		mg/Kg-dry	5	04/01/09 09:38 PM
Selenium	0.705	0.166	0.555		mg/Kg-dry	5	04/01/09 09:38 PM
Silver	ND	0.111	0.222		mg/Kg-dry	5	04/01/09 09:38 PM
Zinc	4.84	1.11	2.77		mg/Kg-dry	5	04/01/09 09:38 PM
TRPH		**E418.1**					Analyst: **DEW**
Petroleum Hydrocarbons, TR	ND	5.86	11.7	N	mg/Kg-dry	1	04/03/09 09:30 AM
ANIONS BY IC METHOD - SOIL		**E300**					Analyst: **JBC**
Chloride	10.8	5.98	5.98		mg/Kg-dry	1	04/06/09 01:00 PM
PERCENT MOISTURE		**D2216**					Analyst: **RP**
Percent Moisture	17.3	0	0		WT%	1	03/27/09 03:30 PM

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 4 of 7~~

4/21/09

DHL Analytical

Date: *20-Apr-09*

CLIENT:	Larson & Associates	**Client Sample ID:**	Cell 21 (2-3')
Project:	Chevron Landfarm	**Lab ID:**	0903211-05
Project No:	6-0137	**Collection Date:**	03/25/09 10:35 AM
Lab Order:	0903211	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL		**M8015D**					Analyst: **AV**
TPH-DRO C10-C28	ND	3.18	10.6		mg/Kg-dry	1	04/01/09 09:54 AM
Surr: Isopropylbenzene	54.9	0	47-142		%REC	1	04/01/09 09:54 AM
Surr: Octacosane	64.8	0	25-162		%REC	1	04/01/09 09:54 AM
MODIFIED 8015 GASOLINE (GRO)		**M8015V**					Analyst: **JAW**
Gasoline Range Organics	ND	0.0705	0.201		mg/Kg-dry	1	03/30/09 04:58 PM
Surr: Tetrachlorethene	88.3	0	70-134		%REC	1	03/30/09 04:58 PM
VOLATILE ORGANICS BY GC		**SW8021B**					Analyst: **JAW**
Benzene	ND	0.00308	0.00514		mg/Kg-dry	1	03/31/09 04:59 PM
Ethylbenzene	ND	0.00514	0.0154		mg/Kg-dry	1	03/31/09 04:59 PM
Toluene	ND	0.00514	0.0154		mg/Kg-dry	1	03/31/09 04:59 PM
Xylenes, Total	ND	0.00514	0.0154		mg/Kg-dry	1	03/31/09 04:59 PM
Surr: Tetrachloroethene	109	0	79-135		%REC	1	03/31/09 04:59 PM
TOTAL MERCURY: SOIL/SOLID		**SW7471A**					Analyst: **LM**
Mercury	ND	0.0154	0.0384		mg/Kg-dry	1	04/03/09 12:55 PM
TRACE METALS: ICP-MS - SOLID		**SW6020**					Analyst: **KW**
Arsenic	2.61	0.509	1.02		mg/Kg-dry	5	04/01/09 10:22 PM
Barium	74.4	0.509	2.04		mg/Kg-dry	5	04/01/09 10:22 PM
Cadmium	0.147	0.102	0.305	J	mg/Kg-dry	5	04/01/09 10:22 PM
Chromium	8.83	0.509	2.04		mg/Kg-dry	5	04/01/09 10:22 PM
Copper	4.03	0.509	2.04		mg/Kg-dry	5	04/01/09 10:22 PM
Iron	8130	63.6	63.6		mg/Kg-dry	25	04/02/09 03:59 PM
Lead	4.76	0.102	0.305		mg/Kg-dry	5	04/01/09 10:22 PM
Manganese	87.7	0.509	2.04		mg/Kg-dry	5	04/01/09 10:22 PM
Selenium	2.45	0.153	0.509		mg/Kg-dry	5	04/01/09 10:22 PM
Silver	ND	0.102	0.204		mg/Kg-dry	5	04/01/09 10:22 PM
Zinc	19.0	1.02	2.54		mg/Kg-dry	5	04/01/09 10:22 PM
TRPH		**E418.1**					Analyst: **DEW**
Petroleum Hydrocarbons, TR	ND	5.34	10.7	N	mg/Kg-dry	1	04/03/09 09:30 AM
ANIONS BY IC METHOD - SOIL		**E300**					Analyst: **JBC**
Chloride	ND	5.44	5.44		mg/Kg-dry	1	04/06/09 01:52 PM
PERCENT MOISTURE		**D2216**					Analyst: **RP**
Percent Moisture	8.19	0	0		WT%	1	03/27/09 03:30 PM

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 5 of 7~~

(W) 4/21/09

DHL Analytical

Date: *20-Apr-09*

CLIENT:	Larson & Associates	**Client Sample ID:**	Cell 25 (2-3')
Project:	Chevron Landfarm	**Lab ID:**	0903211-06
Project No:	6-0137	**Collection Date:**	03/25/09 09:20 AM
Lab Order:	0903211	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL		**M8015D**					Analyst: **AV**
TPH-DRO C10-C28	ND	3.14	10.5		mg/Kg-dry	1	04/01/09 10:11 AM
Surr: Isopropylbenzene	60.6	0	47-142		%REC	1	04/01/09 10:11 AM
Surr: Octacosane	69.6	0	25-162		%REC	1	04/01/09 10:11 AM
MODIFIED 8015 GASOLINE (GRO)		**M8015V**					Analyst: **JAW**
Gasoline Range Organics	ND	0.0665	0.190		mg/Kg-dry	1	03/30/09 08:18 PM
Surr: Tetrachlorethene	90.7	0	70-134		%REC	1	03/30/09 08:18 PM
VOLATILE ORGANICS BY GC		**SW8021B**					Analyst: **JAW**
Benzene	ND	0.00302	0.00504		mg/Kg-dry	1	03/31/09 07:30 PM
Ethylbenzene	ND	0.00504	0.0151		mg/Kg-dry	1	03/31/09 07:30 PM
Toluene	ND	0.00504	0.0151		mg/Kg-dry	1	03/31/09 07:30 PM
Xylenes, Total	ND	0.00504	0.0151		mg/Kg-dry	1	03/31/09 07:30 PM
Surr: Tetrachloroethene	115	0	79-135		%REC	1	03/31/09 07:30 PM
TOTAL MERCURY: SOIL/SOLID		**SW7471A**					Analyst: **LM**
Mercury	ND	0.0158	0.0394		mg/Kg-dry	1	04/03/09 12:57 PM
TRACE METALS: ICP-MS - SOLID		**SW6020**					Analyst: **KW**
Arsenic	3.85	0.549	1.10		mg/Kg-dry	5	04/01/09 10:27 PM
Barium	65.5	0.549	2.20		mg/Kg-dry	5	04/01/09 10:27 PM
Cadmium	0.215	0.110	0.329	J	mg/Kg-dry	5	04/01/09 10:27 PM
Chromium	11.6	0.549	2.20		mg/Kg-dry	5	04/01/09 10:27 PM
Copper	3.83	0.549	2.20		mg/Kg-dry	5	04/01/09 10:27 PM
Iron	11800	68.6	68.6		mg/Kg-dry	25	04/02/09 04:04 PM
Lead	6.61	0.110	0.329		mg/Kg-dry	5	04/01/09 10:27 PM
Manganese	91.7	0.549	2.20		mg/Kg-dry	5	04/01/09 10:27 PM
Selenium	2.86	0.165	0.549		mg/Kg-dry	5	04/01/09 10:27 PM
Silver	ND	0.110	0.220		mg/Kg-dry	5	04/01/09 10:27 PM
Zinc	25.8	1.10	2.75		mg/Kg-dry	5	04/01/09 10:27 PM
TRPH		**E418.1**					Analyst: **DEW**
Petroleum Hydrocarbons, TR	ND	5.45	10.9	N	mg/Kg-dry	1	04/03/09 09:30 AM
ANIONS BY IC METHOD - SOIL		**E300**					Analyst: **JBC**
Chloride	ND	5.55	5.55		mg/Kg-dry	1	04/06/09 02:07 PM
PERCENT MOISTURE		**D2216**					Analyst: **RP**
Percent Moisture	9.83	0	0		WT%	1	03/27/09 03:30 PM

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		

(ww) 9/21/09

DHL Analytical

Date: *20-Apr-09*

CLIENT:	Larson & Associates	**Client Sample ID:**	Cell 26 (2-3')
Project:	Chevron Landfarm	**Lab ID:**	0903211-07
Project No:	6-0137	**Collection Date:**	03/25/09 09:50 AM
Lab Order:	0903211	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL		**M8015D**					Analyst: **AV**
TPH-DRO C10-C28	ND	3.29	11.0		mg/Kg-dry	1	04/01/09 10:27 AM
Surr: Isopropylbenzene	50.0	0	47-142		%REC	1	04/01/09 10:27 AM
Surr: Octacosane	62.6	0	25-162		%REC	1	04/01/09 10:27 AM
MODIFIED 8015 GASOLINE (GRO)		**M8015V**					Analyst: **JAW**
Gasoline Range Organics	ND	0.0787	0.225		mg/Kg-dry	1	03/30/09 08:40 PM
Surr: Tetrachlorethene	88.6	0	70-134		%REC	1	03/30/09 08:40 PM
VOLATILE ORGANICS BY GC		**SW8021B**					Analyst: **JAW**
Benzene	ND	0.00323	0.00538		mg/Kg-dry	1	03/31/09 07:51 PM
Ethylbenzene	ND	0.00538	0.0161		mg/Kg-dry	1	03/31/09 07:51 PM
Toluene	ND	0.00538	0.0161		mg/Kg-dry	1	03/31/09 07:51 PM
Xylenes, Total	ND	0.00538	0.0161		mg/Kg-dry	1	03/31/09 07:51 PM
Surr: Tetrachloroethene	117	0	79-135		%REC	1	03/31/09 07:51 PM
TOTAL MERCURY: SOIL/SOLID		**SW7471A**					Analyst: **LM**
Mercury	ND	0.0177	0.0442		mg/Kg-dry	1	04/03/09 12:59 PM
TRACE METALS: ICP-MS - SOLID		**SW6020**					Analyst: **KW**
Arsenic	5.19	0.548	1.10		mg/Kg-dry	5	04/01/09 10:33 PM
Barium	692	2.74	11.0		mg/Kg-dry	25	04/02/09 04:09 PM
Cadmium	0.132	0.110	0.329	J	mg/Kg-dry	5	04/01/09 10:33 PM
Chromium	3.07	0.548	2.19		mg/Kg-dry	5	04/01/09 10:33 PM
Copper	2.37	0.548	2.19		mg/Kg-dry	5	04/01/09 10:33 PM
Iron	2100	13.7	13.7		mg/Kg-dry	5	04/01/09 10:33 PM
Lead	1.38	0.110	0.329		mg/Kg-dry	5	04/01/09 10:33 PM
Manganese	20.0	0.548	2.19		mg/Kg-dry	5	04/01/09 10:33 PM
Selenium	0.960	0.164	0.548		mg/Kg-dry	5	04/01/09 10:33 PM
Silver	ND	0.110	0.219		mg/Kg-dry	5	04/01/09 10:33 PM
Zinc	5.85	1.10	2.74		mg/Kg-dry	5	04/01/09 10:33 PM
TRPH		**E418.1**					Analyst: **DEW**
Petroleum Hydrocarbons, TR	ND	5.74	11.5	N	mg/Kg-dry	1	04/03/09 09:30 AM
ANIONS BY IC METHOD - SOIL		**E300**					Analyst: **JBC**
Chloride	ND	5.79	5.79		mg/Kg-dry	1	04/06/09 02:21 PM
PERCENT MOISTURE		**D2216**					Analyst: **RP**
Percent Moisture	13.9	0	0		WT%	1	03/27/09 03:30 PM

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 7 of 7~~

4/21/09

CLIENT: Larson & Associates
Work Order: 0903211
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_090330A

Sample ID:	LCS-34207	Batch ID:	34207		TestNo:		M8015D		Units:		mg/Kg
SampType:	LCS	Run ID:	GC15_090330A		Analysis Date:		03/30/09 04:34 PM		Prep Date:		03/30/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28		92.4	10.0	125.0	0	73.9	50	114			
Surr: Isopropylbenzene		4.58		7.500		61.1	47	142			
Surr: Octacosane		5.29		7.500		70.6	25	162			

Sample ID:	MB-34207	Batch ID:	34207		TestNo:		M8015D		Units:		mg/Kg
SampType:	MBLK	Run ID:	GC15_090330A		Analysis Date:		03/30/09 06:03 PM		Prep Date:		03/30/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28		ND	10.0								
Surr: Isopropylbenzene		4.70		7.500		62.7	47	142			
Surr: Octacosane		4.87		7.500		64.9	25	162			

Sample ID:	0903210-01B-MS	Batch ID:	34207		TestNo:		M8015D		Units:		mg/Kg-dry
SampType:	MS	Run ID:	GC15_090330A		Analysis Date:		03/30/09 06:37 PM		Prep Date:		03/30/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28		89.2	10.1	126.5	0	70.5	50	114			
Surr: Isopropylbenzene		4.75		7.589		62.6	47	142			
Surr: Octacosane		5.11		7.589		67.4	25	162			

Sample ID:	0903210-01B-MSD	Batch ID:	34207		TestNo:		M8015D		Units:		mg/Kg-dry
SampType:	MSD	Run ID:	GC15_090330A		Analysis Date:		03/30/09 06:53 PM		Prep Date:		03/30/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28		93.3	10.1	125.7	0	74.3	50	114	4.50	30	
Surr: Isopropylbenzene		4.88		7.539		64.7	47	142	0	0	
Surr: Octacosane		5.35		7.539		71.0	25	162	0	0	

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

CLIENT: Larson & Associates
Work Order: 0903211
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_090330A

Sample ID:	ICV-090330	Batch ID:	R42618	TestNo:	M8015D	Units:	mg/Kg
SampType:	ICV	Run ID:	GC15_090330A	Analysis Date:	03/30/09 03:07 PM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	556	10.0	500.0	0	111	85	115			
Surr: Isopropylbenzene	25.7		25.00		103	47	142			
Surr: Octacosane	26.9		25.00		108	25	162			

Sample ID:	CCV1-090330	Batch ID:	R42618	TestNo:	M8015D	Units:	mg/Kg
SampType:	CCV	Run ID:	GC15_090330A	Analysis Date:	03/30/09 08:17 PM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	261	10.0	250.0	0	104	85	115			
Surr: Isopropylbenzene	12.1		12.50		97.1	47	142			
Surr: Octacosane	13.5		12.50		108	25	162			

Sample ID:	ICV-090401	Batch ID:	R42618	TestNo:	M8015D	Units:	mg/Kg
SampType:	ICV	Run ID:	GC15_090330A	Analysis Date:	04/01/09 09:17 AM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	520	10.0	500.0	0	104	85	115			
Surr: Isopropylbenzene	25.7		25.00		103	47	142			
Surr: Octacosane	23.8		25.00		95.4	25	162			

Sample ID:	CCV-090401	Batch ID:	R42618	TestNo:	M8015D	Units:	mg/Kg
SampType:	CCV	Run ID:	GC15_090330A	Analysis Date:	04/01/09 10:52 AM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28	234	10.0	250.0	0	93.6	85	115			
Surr: Isopropylbenzene	13.9		12.50		111	47	142			
Surr: Octacosane	14.5		12.50		116	25	162			

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

CLIENT: Larson & Associates
Work Order: 0903211
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_090330A

Sample ID:	LCS-34189	Batch ID:	34189		TestNo:		M8015V			Units:	mg/Kg
SampType:	LCS	Run ID:	GC4_090330A		Analysis Date:		03/30/09 01:11 PM			Prep Date:	03/30/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Gasoline Range Organics		4.64	0.200	5.000	0	92.7	68	126			
Surr: Tetrachlorethene		0.318		0.4000		79.4	70	134			
Sample ID:	MB-34189	Batch ID:	34189		TestNo:		M8015V			Units:	mg/Kg
SampType:	MBLK	Run ID:	GC4_090330A		Analysis Date:		03/30/09 01:55 PM			Prep Date:	03/30/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Gasoline Range Organics		ND	0.200								
Surr: Tetrachlorethene		0.328		0.4000		81.9	70	134			
Sample ID:	0903210-01AMS	Batch ID:	34189		TestNo:		M8015V			Units:	mg/Kg-dry
SampType:	MS	Run ID:	GC4_090330A		Analysis Date:		03/30/09 05:43 PM			Prep Date:	03/30/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Gasoline Range Organics		3.61	0.189	4.735	0	76.2	68	126			
Surr: Tetrachlorethene		0.332		0.3788		87.7	70	134			
Sample ID:	0903210-01AMSD	Batch ID:	34189		TestNo:		M8015V			Units:	mg/Kg-dry
SampType:	MSD	Run ID:	GC4_090330A		Analysis Date:		03/30/09 06:05 PM			Prep Date:	03/30/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Gasoline Range Organics		3.66	0.183	4.580	0	79.8	68	126	1.37	30	
Surr: Tetrachlorethene		0.324		0.3664		88.4	70	134	0	0	

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

CLIENT: Larson & Associates
Work Order: 0903211
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_090330A

Sample ID:	ICV-090330	Batch ID:	R42614		TestNo:		M8015V			Units:	mg/Kg
SampType:	ICV	Run ID:	GC4_090330A		Analysis Date:		03/30/09 12:40 PM			Prep Date:	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Gasoline Range Organics		9.19	0.200	10.00	0	91.9	85	115			
Surr: Tetrachlorethene		0.371		0.4000		92.7	74	138			

Sample ID:	CCV1-090330	Batch ID:	R42614		TestNo:		M8015V			Units:	mg/Kg
SampType:	CCV	Run ID:	GC4_090330A		Analysis Date:		03/30/09 07:12 PM			Prep Date:	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Gasoline Range Organics		4.26	0.200	5.000	0	85.2	85	115			
Surr: Tetrachlorethene		0.323		0.4000		80.8	74	138			

Sample ID:	CCV2-090331	Batch ID:	R42614		TestNo:		M8015V			Units:	mg/Kg
SampType:	CCV	Run ID:	GC4_090330A		Analysis Date:		03/31/09 12:27 PM			Prep Date:	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Gasoline Range Organics		4.52	0.200	5.000	0	90.4	85	115			
Surr: Tetrachlorethene		0.356		0.4000		89.1	74	138			

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

CLIENT: Larson & Associates
Work Order: 0903211
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_090331A

Sample ID:	LCS-34232	Batch ID:	34232		TestNo:		SW8021B		Units:		mg/Kg
SampType:	LCS	Run ID:	GC4_090331A		Analysis Date:		03/31/09 02:09 PM		Prep Date:		03/31/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Benzene		0.103	0.00500	0.1000	0	103	65	113			
Toluene		0.101	0.0150	0.1000	0	101	73	115			
Ethylbenzene		0.101	0.0150	0.1000	0	101	74	118			
Xylenes, Total		0.313	0.0150	0.3000	0	104	73	119			
Surr: Tetrachloroethene		0.226		0.2000		113	79	135			

Sample ID:	MB-34232	Batch ID:	34232		TestNo:		SW8021B		Units:		mg/Kg
SampType:	MBLK	Run ID:	GC4_090331A		Analysis Date:		03/31/09 03:02 PM		Prep Date:		03/31/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Benzene		ND	0.00500								
Toluene		ND	0.0150								
Ethylbenzene		ND	0.0150								
Xylenes, Total		ND	0.0150								
Surr: Tetrachloroethene		0.212		0.2000		106	79	135			

Sample ID:	0903211-03AMS	Batch ID:	34232		TestNo:		SW8021B		Units:		mg/Kg-dry
SampType:	MS	Run ID:	GC4_090331A		Analysis Date:		03/31/09 05:42 PM		Prep Date:		03/31/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Benzene		0.0925	0.00501	0.1002	0	92.3	65	113			
Toluene		0.0894	0.0150	0.1002	0	89.2	73	115			
Ethylbenzene		0.0882	0.0150	0.1002	0	88.0	74	118			
Xylenes, Total		0.270	0.0150	0.3006	0	90.0	73	119			
Surr: Tetrachloroethene		0.231		0.2004		115	79	135			

Sample ID:	0903211-03AMSD	Batch ID:	34232		TestNo:		SW8021B		Units:		mg/Kg-dry
SampType:	MSD	Run ID:	GC4_090331A		Analysis Date:		03/31/09 06:03 PM		Prep Date:		03/31/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Benzene		0.0930	0.00501	0.1002	0	92.8	65	113	0.540	30	
Toluene		0.0914	0.0150	0.1002	0	91.2	73	115	2.22	30	
Ethylbenzene		0.0908	0.0150	0.1002	0	90.6	74	118	2.91	30	
Xylenes, Total		0.276	0.0150	0.3006	0	91.8	73	119	2.03	30	
Surr: Tetrachloroethene		0.228		0.2004		114	79	135	0	0	

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

CLIENT: Larson & Associates
Work Order: 0903211
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_090331A

Sample ID:	ICV-090331	Batch ID:	R42623		TestNo:		SW8021B		Units:		mg/Kg
SampType:	ICV	Run ID:	GC4_090331A		Analysis Date:		03/31/09 01:35 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Benzene		0.201	0.00500	0.2000	0	100	85	115			
Toluene		0.199	0.0150	0.2000	0	99.6	85	115			
Ethylbenzene		0.197	0.0150	0.2000	0	98.6	85	115			
Xylenes, Total		0.600	0.0150	0.6000	0	100	85	115			
Surr: Tetrachloroethene		0.234		0.2000		117	79	135			

Sample ID:	CCV1-090331	Batch ID:	R42623		TestNo:		SW8021B		Units:		mg/Kg
SampType:	CCV	Run ID:	GC4_090331A		Analysis Date:		03/31/09 06:24 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Benzene		0.0981	0.00500	0.1000	0	98.1	85	115			
Toluene		0.0967	0.0150	0.1000	0	96.7	85	115			
Ethylbenzene		0.0982	0.0150	0.1000	0	98.2	85	115			
Xylenes, Total		0.300	0.0150	0.3000	0	99.9	85	115			
Surr: Tetrachloroethene		0.222		0.2000		111	79	135			

Sample ID:	CCV2-090331	Batch ID:	R42623		TestNo:		SW8021B		Units:		mg/Kg
SampType:	CCV	Run ID:	GC4_090331A		Analysis Date:		03/31/09 11:30 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Benzene		0.0957	0.00500	0.1000	0	95.7	85	115			
Toluene		0.0948	0.0150	0.1000	0	94.8	85	115			
Ethylbenzene		0.0962	0.0150	0.1000	0	96.2	85	115			
Xylenes, Total		0.285	0.0150	0.3000	0	94.9	85	115			
Surr: Tetrachloroethene		0.218		0.2000		109	79	135			

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

CLIENT: Larson & Associates
Work Order: 0903211
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: CETAC_HG_090403A

Sample ID:	MB-34244	Batch ID:	34244		TestNo:		SW7471A			Units:	mg/Kg
SampType:	MBLK	Run ID:	CETAC_HG_090403A		Analysis Date:		04/03/09 12:24 PM			Prep Date:	04/01/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		ND	0.0400								
Sample ID:	LCS-34244	Batch ID:	34244		TestNo:		SW7471A			Units:	mg/Kg
SampType:	LCS	Run ID:	CETAC_HG_090403A		Analysis Date:		04/03/09 12:26 PM			Prep Date:	04/01/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.220	0.0400	0.2000	0	110	85	115			
Sample ID:	LCSD-34244	Batch ID:	34244		TestNo:		SW7471A			Units:	mg/Kg
SampType:	LCSD	Run ID:	CETAC_HG_090403A		Analysis Date:		04/03/09 12:28 PM			Prep Date:	04/01/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.226	0.0400	0.2000	0	113	85	115	2.69	25	
Sample ID:	0903212-07B SD	Batch ID:	34244		TestNo:		SW7471A			Units:	mg/Kg-dry
SampType:	SD	Run ID:	CETAC_HG_090403A		Analysis Date:		04/03/09 12:32 PM			Prep Date:	04/01/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0	0.190	0	0				0	10	
Sample ID:	0903212-07B PDS	Batch ID:	34244		TestNo:		SW7471A			Units:	mg/Kg-dry
SampType:	PDS	Run ID:	CETAC_HG_090403A		Analysis Date:		04/03/09 12:34 PM			Prep Date:	04/01/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.247	0.0380	0.2375	0	104	85	115			
Sample ID:	0903212-07B MS	Batch ID:	34244		TestNo:		SW7471A			Units:	mg/Kg-dry
SampType:	MS	Run ID:	CETAC_HG_090403A		Analysis Date:		04/03/09 12:36 PM			Prep Date:	04/01/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.216	0.0373	0.1866	0	116	80	120			
Sample ID:	0903212-07B MSD	Batch ID:	34244		TestNo:		SW7471A			Units:	mg/Kg-dry
SampType:	MSD	Run ID:	CETAC_HG_090403A		Analysis Date:		04/03/09 12:38 PM			Prep Date:	04/01/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.218	0.0376	0.1879	0	116	80	120	0.716	25	

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

CLIENT: Larson & Associates
Work Order: 0903211
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: CETAC_HG_090403A

Sample ID:	ICV-090403	Batch ID:	R42681		TestNo:		SW7471A		Units:		mg/Kg
SampType:	ICV	Run ID:	CETAC_HG_090403A		Analysis Date:		04/03/09 12:20 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.00390	0.0400	0.004000	0	97.5	90	110			
Sample ID:	CCV1-090403	Batch ID:	R42681		TestNo:		SW7471A		Units:		mg/Kg
SampType:	CCV	Run ID:	CETAC_HG_090403A		Analysis Date:		04/03/09 12:44 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.00196	0.0400	0.002000	0	98.0	90	110			
Sample ID:	CCV2-090403	Batch ID:	R42681		TestNo:		SW7471A		Units:		mg/Kg
SampType:	CCV	Run ID:	CETAC_HG_090403A		Analysis Date:		04/03/09 01:09 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.00196	0.0400	0.002000	0	98.0	90	110			

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

CLIENT: Larson & Associates
Work Order: 0903211
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_090401B

Sample ID:	MB-34241	Batch ID:	34241	TestNo:	SW6020	Units:	mg/Kg
SampType:	MBLK	Run ID:	ICP-MS2_090401B	Analysis Date:	04/01/09 07:16 PM	Prep Date:	04/01/09

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	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-34241	Batch ID:	34241	TestNo:	SW6020	Units:	mg/Kg
SampType:	LCS	Run ID:	ICP-MS2_090401B	Analysis Date:	04/01/09 07:22 PM	Prep Date:	04/01/09

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	50.9	1.00	50.00	0	102	80	120			
Barium	50.6	2.00	50.00	0	101	80	120			
Cadmium	47.8	0.300	50.00	0	95.5	80	120			
Chromium	49.0	2.00	50.00	0	97.9	80	120			
Copper	47.0	2.00	50.00	0	94.0	80	120			
Iron	260	12.5	250.0	0	104	80	120			
Lead	49.2	0.300	50.00	0	98.4	80	120			
Manganese	48.4	2.00	50.00	0	96.9	80	120			
Selenium	43.6	0.500	50.00	0	87.2	80	120			
Silver	48.1	0.200	50.00	0	96.2	80	120			
Zinc	47.5	2.50	50.00	0	95.0	80	120			

Sample ID:	LCSD-34241	Batch ID:	34241	TestNo:	SW6020	Units:	mg/Kg
SampType:	LCSD	Run ID:	ICP-MS2_090401B	Analysis Date:	04/01/09 07:28 PM	Prep Date:	04/01/09

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	49.1	1.00	50.00	0	98.2	80	120	3.60	25	
Barium	50.4	2.00	50.00	0	101	80	120	0.248	25	
Cadmium	47.1	0.300	50.00	0	94.2	80	120	1.37	25	
Chromium	46.0	2.00	50.00	0	92.0	80	120	6.21	25	
Copper	44.1	2.00	50.00	0	88.1	80	120	6.53	25	
Iron	250	12.5	250.0	0	99.9	80	120	4.19	25	
Lead	48.6	0.300	50.00	0	97.1	80	120	1.28	25	
Manganese	46.5	2.00	50.00	0	93.0	80	120	4.00	25	
Selenium	43.3	0.500	50.00	0	86.6	80	120	0.691	25	
Silver	47.7	0.200	50.00	0	95.4	80	120	0.835	25	
Zinc	44.3	2.50	50.00	0	88.6	80	120	7.08	25	

Sample ID:	0903212-07B SD	Batch ID:	34241	TestNo:	SW6020	Units:	mg/Kg-dry
SampType:	SD	Run ID:	ICP-MS2_090401B	Analysis Date:	04/01/09 08:55 PM	Prep Date:	04/01/09

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

CLIENT: Larson & Associates
Work Order: 0903211
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_090401B

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	2.99	4.32	0	2.631				12.7	10	R
Barium	54.0	8.64	0	54.11				0.180	10	
Cadmium	0	1.30	0	0.1584				0	10	
Chromium	8.55	8.64	0	7.596				11.8	10	R
Copper	3.76	8.64	0	3.594				4.61	10	
Lead	5.15	1.30	0	5.007				2.87	10	
Manganese	90.0	8.64	0	80.91				10.6	10	R
Selenium	2.57	2.16	0	2.029				23.4	10	R
Silver	0	0.864	0	0				0	10	
Zinc	22.9	10.8	0	19.85				14.3	10	R

Sample ID: 0903212-07B PDS Batch ID: 34241 TestNo: SW6020 Units: mg/Kg-dry
SampType: PDS Run ID: ICP-MS2_090401B Analysis Date: 04/01/09 09:00 PM Prep Date: 04/01/09

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	44.0	0.864	43.20	2.631	95.8	75	125			
Barium	98.4	1.73	43.20	54.11	103	75	125			
Cadmium	39.4	0.259	43.20	0.1584	90.7	75	125			
Chromium	44.7	1.73	43.20	7.596	86.0	75	125			
Copper	39.7	1.73	43.20	3.594	83.6	75	125			
Lead	46.3	0.259	43.20	5.007	95.6	75	125			
Manganese	119	1.73	43.20	80.91	88.2	75	125			
Selenium	38.3	0.432	43.20	2.029	84.0	75	125			
Silver	36.7	0.173	43.20	0	84.9	75	125			
Zinc	56.6	2.16	43.20	19.85	85.0	75	125			

Sample ID: 0903212-07B MS Batch ID: 34241 TestNo: SW6020 Units: mg/Kg-dry
SampType: MS Run ID: ICP-MS2_090401B Analysis Date: 04/01/09 09:06 PM Prep Date: 04/01/09

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	46.1	0.879	43.94	2.631	98.8	80	120			
Barium	107	1.76	43.94	54.11	121	80	120			S
Cadmium	42.6	0.264	43.94	0.1584	96.6	80	120			
Chromium	46.7	1.76	43.94	7.596	88.9	80	120			
Copper	42.0	1.76	43.94	3.594	87.3	80	120			
Iron	6730	11.0	219.7	6428	136	80	120			S
Lead	48.5	0.264	43.94	5.007	99.1	80	120			
Manganese	120	1.76	43.94	80.91	88.4	80	120			
Selenium	39.4	0.439	43.94	2.029	85.0	80	120			
Silver	42.1	0.176	43.94	0	95.7	80	120			
Zinc	59.1	2.20	43.94	19.85	89.3	80	120			

Sample ID: 0903212-07B MSD Batch ID: 34241 TestNo: SW6020 Units: mg/Kg-dry
SampType: MSD Run ID: ICP-MS2_090401B Analysis Date: 04/01/09 09:11 PM Prep Date: 04/01/09

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	44.0	0.902	45.11	2.631	91.6	80	120	4.65	25	
Barium	95.9	1.80	45.11	54.11	92.7	80	120	11.3	25	
Cadmium	41.1	0.271	45.11	0.1584	90.7	80	120	3.66	25	

Qualifiers:

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

CLIENT: Larson & Associates
Work Order: 0903211
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_090401B

Chromium	44.3	1.80	45.11	7.596	81.5	80	120	5.11	25	
Copper	39.9	1.80	45.11	3.594	80.5	80	120	4.99	25	
Iron	6320	11.3	225.5	6428	-45.9	80	120	6.18	25	S
Lead	46.0	0.271	45.11	5.007	91.0	80	120	5.29	25	
Manganese	113	1.80	45.11	80.91	71.2	80	120	5.76	25	S
Selenium	37.8	0.451	45.11	2.029	79.4	80	120	4.01	25	S
Silver	40.9	0.180	45.11	0	90.7	80	120	2.69	25	
Zinc	57.5	2.26	45.11	19.85	83.5	80	120	2.69	25	

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

CLIENT: Larson & Associates
Work Order: 0903211
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_090401B

Sample ID:	ICV1-090401	Batch ID:	R42657		TestNo:		SW6020		Units:		mg/L
SampType:	ICV	Run ID:	ICP-MS2_090401B		Analysis Date:		04/01/09 01:47 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic		0.104	0.00600	0.100	0	104	90	110			
Barium		0.102	0.0100	0.100	0	102	90	110			
Cadmium		0.101	0.00100	0.100	0	101	90	110			
Chromium		0.101	0.00600	0.100	0	101	90	110			
Copper		0.102	0.0100	0.100	0	102	90	110			
Iron		2.74	0.150	2.50	0	110	90	110			
Lead		0.103	0.00100	0.100	0	103	90	110			
Manganese		0.102	0.0100	0.100	0	102	90	110			
Selenium		0.105	0.00600	0.100	0	105	90	110			
Silver		0.100	0.00200	0.100	0	100	90	110			
Zinc		0.103	0.00500	0.100	0	103	90	110			

Sample ID:	CCV4-090401	Batch ID:	R42657		TestNo:		SW6020		Units:		mg/L
SampType:	CCV	Run ID:	ICP-MS2_090401B		Analysis Date:		04/01/09 06:49 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic		0.210	0.00600	0.200	0	105	90	110			
Barium		0.203	0.0100	0.200	0	102	90	110			
Cadmium		0.192	0.00100	0.200	0	96.0	90	110			
Chromium		0.193	0.00600	0.200	0	96.5	90	110			
Copper		0.185	0.0100	0.200	0	92.6	90	110			
Iron		4.77	0.150	5.00	0	95.4	90	110			
Lead		0.199	0.00100	0.200	0	99.4	90	110			
Manganese		0.193	0.0100	0.200	0	96.6	90	110			
Selenium		0.185	0.00600	0.200	0	92.4	90	110			
Silver		0.200	0.00200	0.200	0	100	90	110			
Zinc		0.190	0.00500	0.200	0	95.2	90	110			

Sample ID:	CCV5-090401	Batch ID:	R42657		TestNo:		SW6020		Units:		mg/L
SampType:	CCV	Run ID:	ICP-MS2_090401B		Analysis Date:		04/01/09 08:11 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic		0.208	0.00600	0.200	0	104	90	110			
Barium		0.201	0.0100	0.200	0	101	90	110			
Cadmium		0.193	0.00100	0.200	0	96.4	90	110			
Chromium		0.194	0.00600	0.200	0	96.8	90	110			
Copper		0.184	0.0100	0.200	0	92.2	90	110			
Iron		4.80	0.150	5.00	0	95.9	90	110			
Lead		0.196	0.00100	0.200	0	98.1	90	110			
Manganese		0.195	0.0100	0.200	0	97.3	90	110			
Selenium		0.189	0.00600	0.200	0	94.5	90	110			
Silver		0.194	0.00200	0.200	0	97.2	90	110			
Zinc		0.190	0.00500	0.200	0	94.8	90	110			

Sample ID:	CCV6-090401	Batch ID:	R42657	TestNo:	SW6020	Units:	mg/L
SampType:	CCV	Run ID:	ICP-MS2_090401B	Analysis Date:	04/01/09 09:44 PM	Prep Date:	

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

CLIENT: Larson & Associates
Work Order: 0903211
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_090401B

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	0.211	0.00600	0.200	0	105	90	110			
Barium	0.205	0.0100	0.200	0	103	90	110			
Cadmium	0.193	0.00100	0.200	0	96.6	90	110			
Chromium	0.193	0.00600	0.200	0	96.6	90	110			
Copper	0.183	0.0100	0.200	0	91.6	90	110			
Iron	4.74	0.150	5.00	0	94.7	90	110			
Lead	0.196	0.00100	0.200	0	98.0	90	110			
Manganese	0.194	0.0100	0.200	0	97.2	90	110			
Selenium	0.188	0.00600	0.200	0	94.2	90	110			
Silver	0.194	0.00200	0.200	0	97.0	90	110			
Zinc	0.191	0.00500	0.200	0	95.3	90	110			

Sample ID: CCV7-090401 Batch ID: R42657 TestNo: SW6020 Units: mg/L
SampType: CCV Run ID: ICP-MS2_090401B Analysis Date: 04/01/09 11:11 PM Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	0.212	0.00600	0.200	0	106	90	110			
Barium	0.202	0.0100	0.200	0	101	90	110			
Cadmium	0.193	0.00100	0.200	0	96.4	90	110			
Chromium	0.191	0.00600	0.200	0	95.4	90	110			
Copper	0.183	0.0100	0.200	0	91.5	90	110			
Iron	4.78	0.150	5.00	0	95.6	90	110			
Lead	0.194	0.00100	0.200	0	96.8	90	110			
Manganese	0.193	0.0100	0.200	0	96.5	90	110			
Selenium	0.190	0.00600	0.200	0	95.2	90	110			
Silver	0.194	0.00200	0.200	0	96.8	90	110			
Zinc	0.188	0.00500	0.200	0	94.2	90	110			

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

CLIENT: Larson & Associates
Work Order: 0903211
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3_090402B

Sample ID:	0903212-07B SD	Batch ID:	34241	TestNo:	SW6020			Units:		mg/Kg-dry
SampType:	SD	Run ID:	ICP-MS3_090402B	Analysis Date:	04/02/09 03:28 PM			Prep Date:		04/01/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Iron		7380	270	0	7498				1.64	10	

Sample ID:	0903212-07B PDS	Batch ID:	34241	TestNo:	SW6020			Units:		mg/Kg-dry
SampType:	PDS	Run ID:	ICP-MS3_090402B	Analysis Date:	04/02/09 03:33 PM			Prep Date:		04/01/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Iron		12800	54.0	5400	7498	97.3	75	125			

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

CLIENT: Larson & Associates
Work Order: 0903211
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3_090402B

Sample ID:	ICV1-090402	Batch ID:	R42673		TestNo:		SW6020		Units:		mg/L
SampType:	ICV	Run ID:	ICP-MS3_090402B		Analysis Date:		04/02/09 01:19 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Barium		0.101	0.0100	0.100	0	101	90	110			
Iron		2.69	0.150	2.50	0	107	90	110			

Sample ID:	CCV2-090402	Batch ID:	R42673		TestNo:		SW6020		Units:		mg/L
SampType:	CCV	Run ID:	ICP-MS3_090402B		Analysis Date:		04/02/09 03:13 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Barium		0.208	0.0100	0.200	0	104	90	110			
Iron		5.07	0.150	5.00	0	101	90	110			

Sample ID:	CCV3-090402	Batch ID:	R42673		TestNo:		SW6020		Units:		mg/L
SampType:	CCV	Run ID:	ICP-MS3_090402B		Analysis Date:		04/02/09 04:14 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Barium		0.207	0.0100	0.200	0	104	90	110			
Iron		5.07	0.150	5.00	0	101	90	110			

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

CLIENT: Larson & Associates
Work Order: 0903211
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: IC2_090406A

Sample ID:	LCS-34293	Batch ID:	34293		TestNo:		E300		Units:	mg/Kg
SampType:	LCS	Run ID:	IC2_090406A		Analysis Date:		04/06/09 10:33 AM		Prep Date:	04/03/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit Qual
Chloride		45.0	5.00	50.00	0	90.0	80	120		

Sample ID:	LCSD-34293	Batch ID:	34293		TestNo:		E300		Units:	mg/Kg
SampType:	LCSD	Run ID:	IC2_090406A		Analysis Date:		04/06/09 10:47 AM		Prep Date:	04/03/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit Qual
Chloride		44.6	5.00	50.00	0	89.2	80	120	0.949	20

Sample ID:	MB-34293	Batch ID:	34293		TestNo:		E300		Units:	mg/Kg
SampType:	MBLK	Run ID:	IC2_090406A		Analysis Date:		04/06/09 11:02 AM		Prep Date:	04/03/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit Qual
Chloride		ND	5.00							

Sample ID:	0903210-01B MS	Batch ID:	34293		TestNo:		E300		Units:	mg/Kg-dry
SampType:	MS	Run ID:	IC2_090406A		Analysis Date:		04/06/09 11:46 AM		Prep Date:	04/03/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit Qual
Chloride		53.6	5.31	53.13	5.330	90.9	80	120		

Sample ID:	0903210-01B MSD	Batch ID:	34293		TestNo:		E300		Units:	mg/Kg-dry
SampType:	MSD	Run ID:	IC2_090406A		Analysis Date:		04/06/09 12:01 PM		Prep Date:	04/03/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit Qual
Chloride		52.9	5.31	53.13	5.330	89.6	80	120	1.35	20

Sample ID:	0903212-07B MS	Batch ID:	34293		TestNo:		E300		Units:	mg/Kg-dry
SampType:	MS	Run ID:	IC2_090406A		Analysis Date:		04/06/09 04:50 PM		Prep Date:	04/03/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit Qual
Chloride		52.2	25.2	50.47	5.170	93.1	80	120		

Sample ID:	0903212-07B MSD	Batch ID:	34293		TestNo:		E300		Units:	mg/Kg-dry
SampType:	MSD	Run ID:	IC2_090406A		Analysis Date:		04/06/09 05:04 PM		Prep Date:	04/03/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit Qual
Chloride		52.3	25.2	50.47	5.170	93.4	80	120	0.265	20

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

CLIENT: Larson & Associates
Work Order: 0903211
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: IC2_090406A

Sample ID:	ICV-090406	Batch ID:	R42714		TestNo:		E300			Units:	mg/Kg
SampType:	ICV	Run ID:	IC2_090406A		Analysis Date:		04/06/09 10:15 AM			Prep Date:	04/06/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Chloride		23.4	5.00	25.00	0	93.6	90	110			
Sample ID:	CCV1-090406	Batch ID:	R42714		TestNo:		E300			Units:	mg/Kg
SampType:	CCV	Run ID:	IC2_090406A		Analysis Date:		04/06/09 01:15 PM			Prep Date:	04/06/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Chloride		9.12	5.00	10.00	0	91.2	90	110			
Sample ID:	CCV2-090406	Batch ID:	R42714		TestNo:		E300			Units:	mg/Kg
SampType:	CCV	Run ID:	IC2_090406A		Analysis Date:		04/06/09 04:34 PM			Prep Date:	04/06/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Chloride		9.12	5.00	10.00	0	91.2	90	110			
Sample ID:	CCV3-090406	Batch ID:	R42714		TestNo:		E300			Units:	mg/Kg
SampType:	CCV	Run ID:	IC2_090406A		Analysis Date:		04/06/09 05:19 PM			Prep Date:	04/06/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Chloride		9.05	5.00	10.00	0	90.5	90	110			

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

CLIENT: Larson & Associates
Work Order: 0903211
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: IR207_090403A

Sample ID:	LCS-34294	Batch ID:	34294		TestNo:		E418.1		Units:		mg/Kg
SampType:	LCS	Run ID:	IR207_090403A		Analysis Date:		04/03/09 09:30 AM		Prep Date:		04/03/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Petroleum Hydrocarbons, TR		105	10.0	100.0	0	105	80	120			N
Sample ID:	MB-34294	Batch ID:	34294		TestNo:		E418.1		Units:		mg/Kg
SampType:	MBLK	Run ID:	IR207_090403A		Analysis Date:		04/03/09 09:30 AM		Prep Date:		04/03/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Petroleum Hydrocarbons, TR		ND	10.0								N
Sample ID:	0903211-05BMS	Batch ID:	34294		TestNo:		E418.1		Units:		mg/Kg-dry
SampType:	MS	Run ID:	IR207_090403A		Analysis Date:		04/03/09 09:30 AM		Prep Date:		04/03/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Petroleum Hydrocarbons, TR		116	10.7	106.8	0	109	80	120			N
Sample ID:	0903211-05BMSD	Batch ID:	34294		TestNo:		E418.1		Units:		mg/Kg-dry
SampType:	MSD	Run ID:	IR207_090403A		Analysis Date:		04/03/09 09:30 AM		Prep Date:		04/03/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Petroleum Hydrocarbons, TR		114	10.8	108.1	0	106	80	120	1.73	20	N

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

CLIENT: Larson & Associates
Work Order: 0903211
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: IR207_090403A

Sample ID:	ICV-090403	Batch ID:	418_S-4/3/09		TestNo:		E418.1		Units:		mg/Kg
SampType:	ICV	Run ID:	IR207_090403A		Analysis Date:		04/03/09 09:30 AM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Petroleum Hydrocarbons, TR		259	10.0	250.0	0	104	90	110			N

Sample ID:	CCV1-090403	Batch ID:	418_S-4/3/09		TestNo:		E418.1		Units:		mg/Kg
SampType:	CCV	Run ID:	IR207_090403A		Analysis Date:		04/03/09 09:30 AM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Petroleum Hydrocarbons, TR		256	10.0	250.0	0	103	85	115			N

Sample ID:	CCV2-090403	Batch ID:	418_S-4/3/09		TestNo:		E418.1		Units:		mg/Kg
SampType:	CCV	Run ID:	IR207_090403A		Analysis Date:		04/03/09 09:30 AM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Petroleum Hydrocarbons, TR		255	10.0	250.0	0	102	85	115			N

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

CLIENT: Larson & Associates
Work Order: 0903211
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: PMOIST_090327A

Sample ID:	0903212-07B-DUP	Batch ID:	34178	TestNo:	D2216			Units:	WT%	
SampType:	DUP	Run ID:	PMOIST_090327A	Analysis Date:	03/27/09 03:30 PM			Prep Date:	03/27/09	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Percent Moisture		1.97	0	0	1.911				3.28	30	

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

DHL ANALYTICAL

April 07, 2009

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

TEL: (432) 687-0901
FAX: (432) 687-0456

RECEIVED
APR 1 4 2009
BY:

Order No.: 0903212

RE: Chevron Landfarm

Dear Michelle Green:

DHL Analytical received 7 sample(s) on 3/27/2009 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: T104704211-08C-TX

2300 Double Creek Drive • Round Rock, TX 78664 • Phone (512) 388-8222 • FAX (512) 388-8229
www.dhlanalytical.com

Table of Contents

CHAIN-OF-CUSTODY

Larson & Associates, Inc.
Environmental Consultants
507 N. Marienfeld, Ste. 200
Midland, TX 79701
432-687-0901

Data Reported to: M. Green

DATE: 3-25-09 PAGE 1 OF 1
PO #: LAB WORK ORDER #: 690322
PROJECT LOCATION OR NAME: Chevron Landfarm
LAI PROJECT #: 6-0137 COLLECTOR:

TRRP report? ☐ Yes ☒ No

TIME ZONE: Time zone/State: MST/NM

S=SOIL P=PAINT
W=WATER SL=SLUDGE
A=AIR OT=OTHER

Field Sample I.D.	Lab #	Date	Time (MST)	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESERVED	ANALYSES: BTEX ☒ MTBE ☐	TRPH 418.1 ☒	TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☒	DIESEL - MOD 8015 ☒	VOC 8260 ☐	SVOC 8270 ☐	PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☒	LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDE ☒ ANIONS ☐ ALKALINITY ☐	FIELD NOTES
Cell 17 (0-1')	01	3-25-09	1220	S	2				X	X	X	X	X	X						X										Metals: As, Ba, Cd, Cr, Pb, Hg, Se, Ag, Cu, Fe, Mn, Zn
Cell 18 (0-1')	02		1415																											
Cell 19 (0-1')	03		1455																											
Cell 20 (0-1')	04		1535																											
Cell 21 (0-1')	05	1050	~~1035~~ DUP																											
Cell 25 (0-1')	06		0935																											
Cell 26 (0-1')	07	↓	1000																											
ω																														

TOTAL

RELINQUISHED BY: (Signature) DATE/TIME 3-26-09/0745 RECEIVED BY: (Signature)

RELINQUISHED BY: (Signature) DATE/TIME 3/26/09 3:30 RECEIVED BY: (Signature)

RELINQUISHED BY: (Signature) DATE/TIME 3/27/09 0930 RECEIVED BY: (Signature)

ISO

TURN AROUND TIME
NORMAL ☒
1 DAY ☐
2 DAY ☐
OTHER ☐

LABORATORY USE ONLY:
RECEIVING TEMP: 4.2°C THERM #: 57
CUSTODY SEALS - ☐ BROKEN ☒ INTACT ☐ NOT USED
☒ CARRIER BILL # ISO
☐ HAND DELIVERED

Lone Star Overnight
800.800.8984
www.lso.com

Lone Star Overnight

Airbill No. Z5149193

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

From: MICHELLE GREEN
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
Date Printed: 3/26/2009

Fold on above line and place shipping label in pouch on package. Please be sure the barcodes and addresses can be read and scanned.

CUSTODY SEAL
DATE 3/26/09
SIGNATURE

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

DHL Analytical

Sample Receipt Checklist

Client Name **Larson & Associates** Date Received: **3/27/2009**

Work Order Number **0903212** Received by **AK**

Checklist completed by: [signature] 3/27/09 (Signature / Date) Reviewed by: DL 3/27/09 (Initials / Date)

Carrier name: LoneStar

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping 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 ☐	**4.2** °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: 0903212

CASE NARRATIVE

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

Method SW6020 - Metals Analysis
Method SW7471A - Mercury Analysis
Method SW8021B - Volatile Organics by GC
Method E300 - Anions Analysis
Method E418 - TRPH Analysis (Parameter Not NELAC Certified)
Method M8015V - GRO Analysis
Method M8015D - DRO Analysis
Method D2216 - Percent Moisture

LOG IN

The samples were received and log-in performed on 3/27/09. A total of 7 samples were received. The time of collection was Mountain Standard Time. The samples arrived in good condition and were properly packaged.

METALS ANALYSIS

For Metals analysis performed on 4/1/09 the matrix spike and matrix spike duplicate recoveries were out of control limits for a few analytes. These are flagged accordingly in the QC summary report. The reference sample selected for the matrix spike and matrix spike duplicate was from this work order. The LCS was within control limits for these analytes. No further corrective actions were taken.

For Metals analysis performed on 4/1/09 the RPD for the serial dilution was above control limits for some analytes. These are flagged accordingly. The PDS was within control limits for these analytes. No further corrective actions were taken.

GRO ANALYSIS

For GRO analysis performed on 3/30/09 CCV2 was re-run outside of the 12 hour window. The CCV2 was within control limits.

DRO ANALYSIS

For DRO analysis performed on 3/31/09 the surrogate recoveries for all samples were above control limits for Octacosane. These are flagged accordingly. This was due to the surrogates co-eluting with the samples. No further corrective actions were taken.

DHL Analytical

Date: 04/07/09

CLIENT: Larson & Associates
Project: Chevron Landfarm
Lab Order: 0903212

Work Order Sample Summary

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recv'd
0903212-01	Cell 17 (0-1')		03/25/09 12:20 PM	03/27/09
0903212-02	Cell 18 (0-1')		03/25/09 02:15 PM	03/27/09
0903212-03	Cell 19 (0-1')		03/25/09 02:55 PM	03/27/09
0903212-04	Cell 20 (0-1')		03/25/09 03:35 PM	03/27/09
0903212-05	Cell 21 (0-1')		03/25/09 10:50 AM	03/27/09
0903212-06	Cell 25 (0-1')		03/25/09 09:35 AM	03/27/09
0903212-07	Cell 26 (0-1')		03/25/09 10:00 AM	03/27/09

CLIENT: Larson & Associates
Project: Chevron Landfarm
Lab Order: 0903212

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
0903212-01A	Cell 17 (0-1')	03/25/09 12:20 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	03/30/09 08:59 AM	34189
	Cell 17 (0-1')	03/25/09 12:20 PM	Soil	SW5030B	Purge and Trap Soils GC	03/31/09 11:30 AM	34232
0903212-01B	Cell 17 (0-1')	03/25/09 12:20 PM	Soil	SW3550B	Soil Prep Sonication: TRPH	04/03/09 09:01 AM	34294
	Cell 17 (0-1')	03/25/09 12:20 PM	Soil	SW3550B	Soil Prep Sonication: DRO	03/30/09 02:04 PM	34207
	Cell 17 (0-1')	03/25/09 12:20 PM	Soil	E300	Anion Prep	04/03/09 08:24 AM	34293
	Cell 17 (0-1')	03/25/09 12:20 PM	Soil	SW7471A	Mercury Soil Prep, Total	04/01/09 09:00 AM	34244
	Cell 17 (0-1')	03/25/09 12:20 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	04/01/09 09:00 AM	34241
	Cell 17 (0-1')	03/25/09 12:20 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	04/01/09 09:00 AM	34241
	Cell 17 (0-1')	03/25/09 12:20 PM	Soil	D2216	Moisture Preparation	03/27/09 11:30 AM	34178
0903212-02A	Cell 18 (0-1')	03/25/09 02:15 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	03/30/09 08:59 AM	34189
	Cell 18 (0-1')	03/25/09 02:15 PM	Soil	SW5030B	Purge and Trap Soils GC	03/31/09 11:30 AM	34232
0903212-02B	Cell 18 (0-1')	03/25/09 02:15 PM	Soil	SW3550B	Soil Prep Sonication: TRPH	04/03/09 09:01 AM	34294
	Cell 18 (0-1')	03/25/09 02:15 PM	Soil	SW3550B	Soil Prep Sonication: DRO	03/30/09 02:04 PM	34207
	Cell 18 (0-1')	03/25/09 02:15 PM	Soil	E300	Anion Prep	04/03/09 08:24 AM	34293
	Cell 18 (0-1')	03/25/09 02:15 PM	Soil	SW7471A	Mercury Soil Prep, Total	04/01/09 09:00 AM	34244
	Cell 18 (0-1')	03/25/09 02:15 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	04/01/09 09:00 AM	34241
	Cell 18 (0-1')	03/25/09 02:15 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	04/01/09 09:00 AM	34241
	Cell 18 (0-1')	03/25/09 02:15 PM	Soil	D2216	Moisture Preparation	03/27/09 11:30 AM	34178
0903212-03A	Cell 19 (0-1')	03/25/09 02:55 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	03/30/09 08:59 AM	34189
	Cell 19 (0-1')	03/25/09 02:55 PM	Soil	SW5030B	Purge and Trap Soils GC	03/31/09 11:30 AM	34232
0903212-03B	Cell 19 (0-1')	03/25/09 02:55 PM	Soil	SW3550B	Soil Prep Sonication: TRPH	04/03/09 09:01 AM	34294
	Cell 19 (0-1')	03/25/09 02:55 PM	Soil	SW3550B	Soil Prep Sonication: DRO	03/30/09 02:04 PM	34207
	Cell 19 (0-1')	03/25/09 02:55 PM	Soil	E300	Anion Prep	04/03/09 08:24 AM	34293
	Cell 19 (0-1')	03/25/09 02:55 PM	Soil	SW7471A	Mercury Soil Prep, Total	04/01/09 09:00 AM	34244
	Cell 19 (0-1')	03/25/09 02:55 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	04/01/09 09:00 AM	34241
	Cell 19 (0-1')	03/25/09 02:55 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	04/01/09 09:00 AM	34241
	Cell 19 (0-1')	03/25/09 02:55 PM	Soil	D2216	Moisture Preparation	03/27/09 11:30 AM	34178
0903212-04A	Cell 20 (0-1')	03/25/09 03:35 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	03/30/09 08:59 AM	34189
	Cell 20 (0-1')	03/25/09 03:35 PM	Soil	SW5030B	Purge and Trap Soils GC	03/31/09 11:30 AM	34232

CLIENT: Larson & Associates
Project: Chevron Landfarm
Lab Order: 0903212

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
0903212-04B	Cell 20 (0-1')	03/25/09 03:35 PM	Soil	SW3550B	Soil Prep Sonication: TRPH	04/03/09 09:01 AM	34294
	Cell 20 (0-1')	03/25/09 03:35 PM	Soil	SW3550B	Soil Prep Sonication: DRO	03/30/09 02:04 PM	34207
	Cell 20 (0-1')	03/25/09 03:35 PM	Soil	E300	Anion Prep	04/03/09 08:24 AM	34293
	Cell 20 (0-1')	03/25/09 03:35 PM	Soil	SW7471A	Mercury Soil Prep, Total	04/01/09 09:00 AM	34244
	Cell 20 (0-1')	03/25/09 03:35 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	04/01/09 09:00 AM	34241
	Cell 20 (0-1')	03/25/09 03:35 PM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	04/01/09 09:00 AM	34241
	Cell 20 (0-1')	03/25/09 03:35 PM	Soil	D2216	Moisture Preparation	03/27/09 11:30 AM	34178
0903212-05A	Cell 21 (0-1')	03/25/09 10:50 AM	Soil	SW5030B	Purge and Trap Soils GC- Gas	03/30/09 08:59 AM	34189
	Cell 21 (0-1')	03/25/09 10:50 AM	Soil	SW5030B	Purge and Trap Soils GC	03/31/09 11:30 AM	34232
0903212-05B	Cell 21 (0-1')	03/25/09 10:50 AM	Soil	SW3550B	Soil Prep Sonication: TRPH	04/03/09 09:01 AM	34294
	Cell 21 (0-1')	03/25/09 10:50 AM	Soil	SW3550B	Soil Prep Sonication: DRO	03/30/09 02:04 PM	34207
	Cell 21 (0-1')	03/25/09 10:50 AM	Soil	E300	Anion Prep	04/03/09 08:24 AM	34293
	Cell 21 (0-1')	03/25/09 10:50 AM	Soil	SW7471A	Mercury Soil Prep, Total	04/01/09 09:00 AM	34244
	Cell 21 (0-1')	03/25/09 10:50 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	04/01/09 09:00 AM	34241
	Cell 21 (0-1')	03/25/09 10:50 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	04/01/09 09:00 AM	34241
	Cell 21 (0-1')	03/25/09 10:50 AM	Soil	D2216	Moisture Preparation	03/27/09 11:30 AM	34178
0903212-06A	Cell 25 (0-1')	03/25/09 09:35 AM	Soil	SW5030B	Purge and Trap Soils GC- Gas	03/30/09 08:59 AM	34189
	Cell 25 (0-1')	03/25/09 09:35 AM	Soil	SW5030B	Purge and Trap Soils GC	03/31/09 11:30 AM	34232
0903212-06B	Cell 25 (0-1')	03/25/09 09:35 AM	Soil	SW3550B	Soil Prep Sonication: TRPH	04/03/09 09:01 AM	34294
	Cell 25 (0-1')	03/25/09 09:35 AM	Soil	SW3550B	Soil Prep Sonication: DRO	03/30/09 02:04 PM	34207
	Cell 25 (0-1')	03/25/09 09:35 AM	Soil	E300	Anion Prep	04/03/09 08:24 AM	34293
	Cell 25 (0-1')	03/25/09 09:35 AM	Soil	SW7471A	Mercury Soil Prep, Total	04/01/09 09:00 AM	34244
	Cell 25 (0-1')	03/25/09 09:35 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	04/01/09 09:00 AM	34241
	Cell 25 (0-1')	03/25/09 09:35 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	04/01/09 09:00 AM	34241
	Cell 25 (0-1')	03/25/09 09:35 AM	Soil	D2216	Moisture Preparation	03/27/09 11:30 AM	34178
0903212-07A	Cell 26 (0-1')	03/25/09 10:00 AM	Soil	SW5030B	Purge and Trap Soils GC- Gas	03/30/09 08:59 AM	34189
	Cell 26 (0-1')	03/25/09 10:00 AM	Soil	SW5030B	Purge and Trap Soils GC	03/31/09 11:30 AM	34232
0903212-07B	Cell 26 (0-1')	03/25/09 10:00 AM	Soil	SW3550B	Soil Prep Sonication: TRPH	04/03/09 09:01 AM	34294
	Cell 26 (0-1')	03/25/09 10:00 AM	Soil	SW3550B	Soil Prep Sonication: DRO	03/30/09 02:04 PM	34207

CLIENT: Larson & Associates
Project: Chevron Landfarm
Lab Order: 0903212

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
	Cell 26 (0-1')	03/25/09 10:00 AM	Soil	E300	Anion Prep	04/03/09 08:24 AM	34293
	Cell 26 (0-1')	03/25/09 10:00 AM	Soil	SW7471A	Mercury Soil Prep, Total	04/01/09 09:00 AM	34244
	Cell 26 (0-1')	03/25/09 10:00 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	04/01/09 09:00 AM	34241
	Cell 26 (0-1')	03/25/09 10:00 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	04/01/09 09:00 AM	34241
	Cell 26 (0-1')	03/25/09 10:00 AM	Soil	D2216	Moisture Preparation	03/27/09 11:30 AM	34178

CLIENT: Larson & Associates
Project: Chevron Landfarm
Lab Order: 0903212

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
0903212-01A	Cell 17 (0-1')	Soil	M8015V	Modified 8015 Gasoline (GRO)	34189	1	03/30/09 09:02 PM	GC4_090330A
	Cell 17 (0-1')	Soil	SW8021B	Volatile Organics by GC	34232	1	03/31/09 08:13 PM	GC4_090331A
0903212-01B	Cell 17 (0-1')	Soil	E300	Anions by IC method - Soil	34293	1	04/06/09 02:36 PM	IC2_090406A
	Cell 17 (0-1')	Soil	D2216	Percent Moisture	34178	1	03/27/09 03:30 PM	PMOIST_090327A
	Cell 17 (0-1')	Soil	SW7471A	Total Mercury: Soil/Solid	34244	1	04/03/09 01:01 PM	CETAC_HG_090403A
	Cell 17 (0-1')	Soil	M8015D	TPH Extractable by GC - Soil	34207	1	03/31/09 10:54 AM	GC15_090330A
	Cell 17 (0-1')	Soil	SW6020	Trace Metals: ICP-MS - Solid	34241	5	04/01/09 10:38 PM	ICP-MS2_090401B
	Cell 17 (0-1')	Soil	SW6020	Trace Metals: ICP-MS - Solid	34241	25	04/02/09 04:24 PM	ICP-MS3_090402B
	Cell 17 (0-1')	Soil	E418.1	TRPH	34294	1	04/03/09 09:30 AM	IR207_090403A
0903212-02A	Cell 18 (0-1')	Soil	M8015V	Modified 8015 Gasoline (GRO)	34189	1	03/30/09 09:24 PM	GC4_090330A
	Cell 18 (0-1')	Soil	SW8021B	Volatile Organics by GC	34232	1	03/31/09 08:34 PM	GC4_090331A
0903212-02B	Cell 18 (0-1')	Soil	E300	Anions by IC method - Soil	34293	1	04/06/09 02:51 PM	IC2_090406A
	Cell 18 (0-1')	Soil	D2216	Percent Moisture	34178	1	03/27/09 03:30 PM	PMOIST_090327A
	Cell 18 (0-1')	Soil	SW7471A	Total Mercury: Soil/Solid	34244	1	04/03/09 01:03 PM	CETAC_HG_090403A
	Cell 18 (0-1')	Soil	M8015D	TPH Extractable by GC - Soil	34207	1	03/31/09 11:11 AM	GC15_090330A
	Cell 18 (0-1')	Soil	SW6020	Trace Metals: ICP-MS - Solid	34241	5	04/01/09 10:44 PM	ICP-MS2_090401B
	Cell 18 (0-1')	Soil	SW6020	Trace Metals: ICP-MS - Solid	34241	25	04/02/09 04:29 PM	ICP-MS3_090402B
	Cell 18 (0-1')	Soil	E418.1	TRPH	34294	1	04/03/09 09:30 AM	IR207_090403A
0903212-03A	Cell 19 (0-1')	Soil	M8015V	Modified 8015 Gasoline (GRO)	34189	1	03/30/09 09:47 PM	GC4_090330A
	Cell 19 (0-1')	Soil	SW8021B	Volatile Organics by GC	34232	1	03/31/09 08:55 PM	GC4_090331A
0903212-03B	Cell 19 (0-1')	Soil	E300	Anions by IC method - Soil	34293	1	04/06/09 04:19 PM	IC2_090406A
	Cell 19 (0-1')	Soil	D2216	Percent Moisture	34178	1	03/27/09 03:30 PM	PMOIST_090327A
	Cell 19 (0-1')	Soil	SW7471A	Total Mercury: Soil/Solid	34244	1	04/03/09 01:05 PM	CETAC_HG_090403A
	Cell 19 (0-1')	Soil	M8015D	TPH Extractable by GC - Soil	34207	1	03/31/09 11:28 AM	GC15_090330A
	Cell 19 (0-1')	Soil	SW6020	Trace Metals: ICP-MS - Solid	34241	5	04/01/09 10:49 PM	ICP-MS2_090401B
	Cell 19 (0-1')	Soil	SW6020	Trace Metals: ICP-MS - Solid	34241	25	04/02/09 04:34 PM	ICP-MS3_090402B
	Cell 19 (0-1')	Soil	E418.1	TRPH	34294	1	04/03/09 09:30 AM	IR207_090403A
0903212-04A	Cell 20 (0-1')	Soil	M8015V	Modified 8015 Gasoline (GRO)	34189	1	03/30/09 10:10 PM	GC4_090330A
	Cell 20 (0-1')	Soil	SW8021B	Volatile Organics by GC	34232	1	03/31/09 09:17 PM	GC4_090331A

CLIENT: Larson & Associates
Project: Chevron Landfarm
Lab Order: 0903212

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
0903212-04B	Cell 20 (0-1')	Soil	E300	Anions by IC method - Soil	34293	1	04/06/09 03:20 PM	IC2_090406A
	Cell 20 (0-1')	Soil	D2216	Percent Moisture	34178	1	03/27/09 03:30 PM	PMOIST_090327A
	Cell 20 (0-1')	Soil	SW7471A	Total Mercury: Soil/Solid	34244	1	04/03/09 01:07 PM	CETAC_HG_090403A
	Cell 20 (0-1')	Soil	M8015D	TPH Extractable by GC - Soil	34207	1	03/31/09 11:44 AM	GC15_090330A
	Cell 20 (0-1')	Soil	SW6020	Trace Metals: ICP-MS - Solid	34241	5	04/01/09 10:54 PM	ICP-MS2_090401B
	Cell 20 (0-1')	Soil	SW6020	Trace Metals: ICP-MS - Solid	34241	25	04/02/09 04:39 PM	ICP-MS3_090402B
	Cell 20 (0-1')	Soil	E418.1	TRPH	34294	1	04/03/09 09:30 AM	IR207_090403A
0903212-05A	Cell 21 (0-1')	Soil	M8015V	Modified 8015 Gasoline (GRO)	34189	1	03/30/09 10:32 PM	GC4_090330A
	Cell 21 (0-1')	Soil	SW8021B	Volatile Organics by GC	34232	1	03/31/09 09:38 PM	GC4_090331A
0903212-05B	Cell 21 (0-1')	Soil	E300	Anions by IC method - Soil	34293	1	04/06/09 03:35 PM	IC2_090406A
	Cell 21 (0-1')	Soil	D2216	Percent Moisture	34178	1	03/27/09 03:30 PM	PMOIST_090327A
	Cell 21 (0-1')	Soil	SW7471A	Total Mercury: Soil/Solid	34244	1	04/03/09 01:13 PM	CETAC_HG_090403A
	Cell 21 (0-1')	Soil	M8015D	TPH Extractable by GC - Soil	34207	1	03/31/09 12:01 PM	GC15_090330A
	Cell 21 (0-1')	Soil	SW6020	Trace Metals: ICP-MS - Solid	34241	5	04/01/09 11:00 PM	ICP-MS2_090401B
	Cell 21 (0-1')	Soil	SW6020	Trace Metals: ICP-MS - Solid	34241	25	04/02/09 04:45 PM	ICP-MS3_090402B
	Cell 21 (0-1')	Soil	E418.1	TRPH	34294	10	04/03/09 09:30 AM	IR207_090403A
0903212-06A	Cell 25 (0-1')	Soil	M8015V	Modified 8015 Gasoline (GRO)	34189	1	03/30/09 10:55 PM	GC4_090330A
	Cell 25 (0-1')	Soil	SW8021B	Volatile Organics by GC	34232	1	03/31/09 10:00 PM	GC4_090331A
0903212-06B	Cell 25 (0-1')	Soil	E300	Anions by IC method - Soil	34293	1	04/06/09 03:50 PM	IC2_090406A
	Cell 25 (0-1')	Soil	D2216	Percent Moisture	34178	1	03/27/09 03:30 PM	PMOIST_090327A
	Cell 25 (0-1')	Soil	SW7471A	Total Mercury: Soil/Solid	34244	1	04/03/09 01:15 PM	CETAC_HG_090403A
	Cell 25 (0-1')	Soil	M8015D	TPH Extractable by GC - Soil	34207	1	03/31/09 12:18 PM	GC15_090330A
	Cell 25 (0-1')	Soil	SW6020	Trace Metals: ICP-MS - Solid	34241	5	04/01/09 11:05 PM	ICP-MS2_090401B
	Cell 25 (0-1')	Soil	SW6020	Trace Metals: ICP-MS - Solid	34241	25	04/02/09 04:50 PM	ICP-MS3_090402B
	Cell 25 (0-1')	Soil	E418.1	TRPH	34294	1	04/03/09 09:30 AM	IR207_090403A
0903212-07A	Cell 26 (0-1')	Soil	M8015V	Modified 8015 Gasoline (GRO)	34189	1	03/30/09 11:18 PM	GC4_090330A
	Cell 26 (0-1')	Soil	SW8021B	Volatile Organics by GC	34232	1	03/31/09 10:22 PM	GC4_090331A
0903212-07B	Cell 26 (0-1')	Soil	E300	Anions by IC method - Soil	34293	1	04/06/09 04:04 PM	IC2_090406A
	Cell 26 (0-1')	Soil	D2216	Percent Moisture	34178	1	03/27/09 03:30 PM	PMOIST_090327A

CLIENT: Larson & Associates
Project: Chevron Landfarm
Lab Order: 0903212

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
	Cell 26 (0-1')	Soil	SW7471A	Total Mercury: Soil/Solid	34244	1	04/03/09 12:30 PM	CETAC_HG_090403A
	Cell 26 (0-1')	Soil	M8015D	TPH Extractable by GC - Soil	34207	1	03/31/09 12:35 PM	GC15_090330A
	Cell 26 (0-1')	Soil	SW6020	Trace Metals: ICP-MS - Solid	34241	5	04/01/09 08:49 PM	ICP-MS2_090401B
	Cell 26 (0-1')	Soil	SW6020	Trace Metals: ICP-MS - Solid	34241	25	04/02/09 03:23 PM	ICP-MS3_090402B
	Cell 26 (0-1')	Soil	E418.1	TRPH	34294	10	04/03/09 09:30 AM	IR207_090403A

DHL Analytical

Date: 04/07/09

CLIENT:	Larson & Associates	Client Sample ID:	Cell 17 (0-1')
Project:	Chevron Landfarm	Lab ID:	0903212-01
Project No:	6-0137	Collection Date:	03/25/09 12:20 PM
Lab Order:	0903212	Matrix:	Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	120	2.89	9.63		mg/Kg-dry	1	03/31/09 10:54 AM
Surr: Isopropylbenzene	56.5	0	47 - 142		%REC	1	03/31/09 10:54 AM
Surr: Octacosane	268	0	25 - 162	S	%REC	1	03/31/09 10:54 AM
Modified 8015 Gasoline (GRO)		**M8015V**					**Analyst: JAW**
Gasoline Range Organics	ND	0.0521	0.174		mg/Kg-dry	1	03/30/09 09:02 PM
Surr: Tetrachlorethene	90.6	0	70 - 134		%REC	1	03/30/09 09:02 PM
Volatile Organics by GC		**SW8021B**					**Analyst: JAW**
Benzene	ND	0.00295	0.00491		mg/Kg-dry	1	03/31/09 08:13 PM
Ethylbenzene	ND	0.00491	0.0147		mg/Kg-dry	1	03/31/09 08:13 PM
Toluene	ND	0.00491	0.0147		mg/Kg-dry	1	03/31/09 08:13 PM
Xylenes, Total	ND	0.00491	0.0147		mg/Kg-dry	1	03/31/09 08:13 PM
Surr: Tetrachloroethene	118	0	79 - 135		%REC	1	03/31/09 08:13 PM
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	0.0168	0.0145	0.0364	J	mg/Kg-dry	1	04/03/09 01:01 PM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KW**
Arsenic	2.99	0.456	0.912		mg/Kg-dry	5	04/01/09 10:38 PM
Barium	119	0.456	1.82		mg/Kg-dry	5	04/01/09 10:38 PM
Cadmium	0.167	0.0912	0.274	J	mg/Kg-dry	5	04/01/09 10:38 PM
Chromium	7.89	0.456	1.82		mg/Kg-dry	5	04/01/09 10:38 PM
Copper	3.99	0.456	1.82		mg/Kg-dry	5	04/01/09 10:38 PM
Iron	7160	57.0	57.0		mg/Kg-dry	25	04/02/09 04:24 PM
Lead	6.34	0.0912	0.274		mg/Kg-dry	5	04/01/09 10:38 PM
Manganese	76.5	0.456	1.82		mg/Kg-dry	5	04/01/09 10:38 PM
Selenium	1.83	0.137	0.456		mg/Kg-dry	5	04/01/09 10:38 PM
Silver	ND	0.0912	0.182		mg/Kg-dry	5	04/01/09 10:38 PM
Zinc	21.5	0.912	2.28		mg/Kg-dry	5	04/01/09 10:38 PM
TRPH		**E418.1**					**Analyst: DEW**
Petroleum Hydrocarbons, TR	166	4.85	9.69	N	mg/Kg-dry	1	04/03/09 09:30 AM
Anions by IC method - Soil		**E300**					**Analyst: JBC**
Chloride	19.5	5.00	5.00		mg/Kg-dry	1	04/06/09 02:36 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	2.14	0	0		WT%	1	03/27/09 03:30 PM

Qualifiers:

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

DHL Analytical

Date: 04/07/09

CLIENT:	Larson & Associates	Client Sample ID:	Cell 18 (0-1')
Project:	Chevron Landfarm	Lab ID:	0903212-02
Project No:	6-0137	Collection Date:	03/25/09 02:15 PM
Lab Order:	0903212	Matrix:	Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	93.0	2.98	9.92		mg/Kg-dry	1	03/31/09 11:11 AM
Surr: Isopropylbenzene	55.1	0	47 - 142		%REC	1	03/31/09 11:11 AM
Surr: Octacosane	257	0	25 - 162	S	%REC	1	03/31/09 11:11 AM
Modified 8015 Gasoline (GRO)		**M8015V**					**Analyst: JAW**
Gasoline Range Organics	ND	0.0524	0.175		mg/Kg-dry	1	03/30/09 09:24 PM
Surr: Tetrachlorethene	94.6	0	70 - 134		%REC	1	03/30/09 09:24 PM
Volatile Organics by GC		**SW8021B**					**Analyst: JAW**
Benzene	ND	0.00263	0.00438		mg/Kg-dry	1	03/31/09 08:34 PM
Ethylbenzene	ND	0.00438	0.0131		mg/Kg-dry	1	03/31/09 08:34 PM
Toluene	ND	0.00438	0.0131		mg/Kg-dry	1	03/31/09 08:34 PM
Xylenes, Total	ND	0.00438	0.0131		mg/Kg-dry	1	03/31/09 08:34 PM
Surr: Tetrachloroethene	116	0	79 - 135		%REC	1	03/31/09 08:34 PM
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0148	0.0370		mg/Kg-dry	1	04/03/09 01:03 PM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KW**
Arsenic	2.68	0.431	0.861		mg/Kg-dry	5	04/01/09 10:44 PM
Barium	108	0.431	1.72		mg/Kg-dry	5	04/01/09 10:44 PM
Cadmium	0.132	0.0861	0.258	J	mg/Kg-dry	5	04/01/09 10:44 PM
Chromium	6.81	0.431	1.72		mg/Kg-dry	5	04/01/09 10:44 PM
Copper	3.41	0.431	1.72		mg/Kg-dry	5	04/01/09 10:44 PM
Iron	5690	53.8	53.8		mg/Kg-dry	25	04/02/09 04:29 PM
Lead	6.00	0.0861	0.258		mg/Kg-dry	5	04/01/09 10:44 PM
Manganese	61.3	0.431	1.72		mg/Kg-dry	5	04/01/09 10:44 PM
Selenium	1.55	0.129	0.431		mg/Kg-dry	5	04/01/09 10:44 PM
Silver	ND	0.0861	0.172		mg/Kg-dry	5	04/01/09 10:44 PM
Zinc	17.2	0.861	2.15		mg/Kg-dry	5	04/01/09 10:44 PM
TRPH		**E418.1**					**Analyst: DEW**
Petroleum Hydrocarbons, TR	212	4.88	9.75	N	mg/Kg-dry	1	04/03/09 09:30 AM
Anions by IC method - Soil		**E300**					**Analyst: JBC**
Chloride	8.19	5.05	5.05		mg/Kg-dry	1	04/06/09 02:51 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	1.59	0	0		WT%	1	03/27/09 03:30 PM

Qualifiers:

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

DHL Analytical

Date: 04/07/09

CLIENT:	Larson & Associates	Client Sample ID:	Cell 19 (0-1')
Project:	Chevron Landfarm	Lab ID:	0903212-03
Project No:	6-0137	Collection Date:	03/25/09 02:55 PM
Lab Order:	0903212	Matrix:	Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	64.2	3.04	10.1		mg/Kg-dry	1	03/31/09 11:28 AM
Surr: Isopropylbenzene	55.0	0	47 - 142		%REC	1	03/31/09 11:28 AM
Surr: Octacosane	201	0	25 - 162	S	%REC	1	03/31/09 11:28 AM
Modified 8015 Gasoline (GRO)		**M8015V**					**Analyst: JAW**
Gasoline Range Organics	ND	0.0591	0.197		mg/Kg-dry	1	03/30/09 09:47 PM
Surr: Tetrachlorethene	95.0	0	70 - 134		%REC	1	03/30/09 09:47 PM
Volatile Organics by GC		**SW8021B**					**Analyst: JAW**
Benzene	ND	0.00297	0.00495		mg/Kg-dry	1	03/31/09 08:55 PM
Ethylbenzene	ND	0.00495	0.0149		mg/Kg-dry	1	03/31/09 08:55 PM
Toluene	ND	0.00495	0.0149		mg/Kg-dry	1	03/31/09 08:55 PM
Xylenes, Total	ND	0.00495	0.0149		mg/Kg-dry	1	03/31/09 08:55 PM
Surr: Tetrachlorocthene	116	0	79 - 135		%REC	1	03/31/09 08:55 PM
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0147	0.0369		mg/Kg-dry	1	04/03/09 01:05 PM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KW**
Arsenic	2.65	0.449	0.899		mg/Kg-dry	5	04/01/09 10:49 PM
Barium	173	0.449	1.80		mg/Kg-dry	5	04/01/09 10:49 PM
Cadmium	0.159	0.0899	0.270	J	mg/Kg-dry	5	04/01/09 10:49 PM
Chromium	6.93	0.449	1.80		mg/Kg-dry	5	04/01/09 10:49 PM
Copper	2.42	0.449	1.80		mg/Kg-dry	5	04/01/09 10:49 PM
Iron	6210	56.2	56.2		mg/Kg-dry	25	04/02/09 04:34 PM
Lead	3.96	0.0899	0.270		mg/Kg-dry	5	04/01/09 10:49 PM
Manganese	45.3	0.449	1.80		mg/Kg-dry	5	04/01/09 10:49 PM
Selenium	1.41	0.135	0.449		mg/Kg-dry	5	04/01/09 10:49 PM
Silver	ND	0.0899	0.180		mg/Kg-dry	5	04/01/09 10:49 PM
Zinc	15.6	0.899	2.25		mg/Kg-dry	5	04/01/09 10:49 PM
TRPH		**E418.1**					**Analyst: DEW**
Petroleum Hydrocarbons, TR	225	5.18	10.4	N	mg/Kg-dry	1	04/03/09 09:30 AM
Anions by IC method - Soil		**E300**					**Analyst: JBC**
Chloride	32.5	5.28	5.28		mg/Kg-dry	1	04/06/09 04:19 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	6.48	0	0		WT%	1	03/27/09 03:30 PM

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
N	Parameter not NELAC certified
ND	Not Detected at the Method Detection Limit
RL	Reporting Limit
S	Spike Recovery outside control limits

DHL Analytical

Date: 04/07/09

CLIENT:	Larson & Associates	Client Sample ID:	Cell 20 (0-1')
Project:	Chevron Landfarm	Lab ID:	0903212-04
Project No:	6-0137	Collection Date:	03/25/09 03:35 PM
Lab Order:	0903212	Matrix:	Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		M8015D					Analyst: AV
TPH-DRO C10-C28	33.1	2.96	9.86		mg/Kg-dry	1	03/31/09 11:44 AM
Surr: Isopropylbenzene	56.8	0	47 - 142		%REC	1	03/31/09 11:44 AM
Surr: Octacosane	166	0	25 - 162	S	%REC	1	03/31/09 11:44 AM
Modified 8015 Gasoline (GRO)		M8015V					Analyst: JAW
Gasoline Range Organics	ND	0.0540	0.180		mg/Kg-dry	1	03/30/09 10:10 PM
Surr: Tetrachlorethene	94.8	0	70 - 134		%REC	1	03/30/09 10:10 PM
Volatile Organics by GC		SW8021B					Analyst: JAW
Benzene	ND	0.00268	0.00447		mg/Kg-dry	1	03/31/09 09:17 PM
Ethylbenzene	ND	0.00447	0.0134		mg/Kg-dry	1	03/31/09 09:17 PM
Toluene	ND	0.00447	0.0134		mg/Kg-dry	1	03/31/09 09:17 PM
Xylenes, Total	ND	0.00447	0.0134		mg/Kg-dry	1	03/31/09 09:17 PM
Surr: Tetrachloroethene	119	0	79 - 135		%REC	1	03/31/09 09:17 PM
Total Mercury: Soil/Solid		SW7471A					Analyst: LM
Mercury	ND	0.0138	0.0344		mg/Kg-dry	1	04/03/09 01:07 PM
Trace Metals: ICP-MS - Solid		SW6020					Analyst: KW
Arsenic	2.43	0.451	0.901		mg/Kg-dry	5	04/01/09 10:54 PM
Barium	173	0.451	1.80		mg/Kg-dry	5	04/01/09 10:54 PM
Cadmium	0.162	0.0901	0.270	J	mg/Kg-dry	5	04/01/09 10:54 PM
Chromium	6.48	0.451	1.80		mg/Kg-dry	5	04/01/09 10:54 PM
Copper	1.92	0.451	1.80		mg/Kg-dry	5	04/01/09 10:54 PM
Iron	5670	56.3	56.3		mg/Kg-dry	25	04/02/09 04:39 PM
Lead	3.42	0.0901	0.270		mg/Kg-dry	5	04/01/09 10:54 PM
Manganese	43.3	0.451	1.80		mg/Kg-dry	5	04/01/09 10:54 PM
Selenium	1.51	0.135	0.451		mg/Kg-dry	5	04/01/09 10:54 PM
Silver	ND	0.0901	0.180		mg/Kg-dry	5	04/01/09 10:54 PM
Zinc	19.5	0.901	2.25		mg/Kg-dry	5	04/01/09 10:54 PM
TRPH		E418.1					Analyst: DEW
Petroleum Hydrocarbons, TR	256	5.18	10.4	N	mg/Kg-dry	1	04/03/09 09:30 AM
Anions by IC method - Soil		E300					Analyst: JBC
Chloride	50.9	5.13	5.13		mg/Kg-dry	1	04/06/09 03:20 PM
Percent Moisture		D2216					Analyst: RP
Percent Moisture	3.51	0	0		WT%	1	03/27/09 03:30 PM

Qualifiers:

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

DHL Analytical

Date: 04/07/09

CLIENT:	Larson & Associates	Client Sample ID:	Cell 21 (0-1')
Project:	Chevron Landfarm	Lab ID:	0903212-05
Project No:	6-0137	Collection Date:	03/25/09 10:50 AM
Lab Order:	0903212	Matrix:	Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		M8015D					Analyst: AV
TPH-DRO C10-C28	90.1	2.87	9.58		mg/Kg-dry	1	03/31/09 12:01 PM
Surr: Isopropylbenzene	59.8	0	47 - 142		%REC	1	03/31/09 12:01 PM
Surr: Octacosane	288	0	25 - 162	S	%REC	1	03/31/09 12:01 PM
Modified 8015 Gasoline (GRO)		M8015V					Analyst: JAW
Gasoline Range Organics	ND	0.0561	0.187		mg/Kg-dry	1	03/30/09 10:32 PM
Surr: Tetrachlorethene	92.8	0	70 - 134		%REC	1	03/30/09 10:32 PM
Volatile Organics by GC		SW8021B					Analyst: JAW
Benzene	ND	0.00268	0.00446		mg/Kg-dry	1	03/31/09 09:38 PM
Ethylbenzene	ND	0.00446	0.0134		mg/Kg-dry	1	03/31/09 09:38 PM
Toluene	ND	0.00446	0.0134		mg/Kg-dry	1	03/31/09 09:38 PM
Xylenes, Total	ND	0.00446	0.0134		mg/Kg-dry	1	03/31/09 09:38 PM
Surr: Tetrachloroethene	117	0	79 - 135		%REC	1	03/31/09 09:38 PM
Total Mercury: Soil/Solid		SW7471A					Analyst: LM
Mercury	ND	0.0143	0.0357		mg/Kg-dry	1	04/03/09 01:13 PM
Trace Metals: ICP-MS - Solid		SW6020					Analyst: KW
Arsenic	2.96	0.450	0.900		mg/Kg-dry	5	04/01/09 11:00 PM
Barium	114	0.450	1.80		mg/Kg-dry	5	04/01/09 11:00 PM
Cadmium	0.187	0.0900	0.270	J	mg/Kg-dry	5	04/01/09 11:00 PM
Chromium	8.17	0.450	1.80		mg/Kg-dry	5	04/01/09 11:00 PM
Copper	3.22	0.450	1.80		mg/Kg-dry	5	04/01/09 11:00 PM
Iron	6480	56.2	56.2		mg/Kg-dry	25	04/02/09 04:45 PM
Lead	7.41	0.0900	0.270		mg/Kg-dry	5	04/01/09 11:00 PM
Manganese	58.4	0.450	1.80		mg/Kg-dry	5	04/01/09 11:00 PM
Selenium	1.63	0.135	0.450		mg/Kg-dry	5	04/01/09 11:00 PM
Silver	ND	0.0900	0.180		mg/Kg-dry	5	04/01/09 11:00 PM
Zinc	23.4	0.900	2.25		mg/Kg-dry	5	04/01/09 11:00 PM
TRPH		E418.1					Analyst: DEW
Petroleum Hydrocarbons, TR	678	49.3	98.5	N	mg/Kg-dry	10	04/03/09 09:30 AM
Anions by IC method - Soil		E300					Analyst: JBC
Chloride	14.5	5.06	5.06		mg/Kg-dry	1	04/06/09 03:35 PM
Percent Moisture		D2216					Analyst: RP
Percent Moisture	1.67	0	0		WT%	1	03/27/09 03:30 PM

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

DHL Analytical

Date: 04/07/09

CLIENT:	Larson & Associates	Client Sample ID:	Cell 25 (0-1')
Project:	Chevron Landfarm	Lab ID:	0903212-06
Project No:	6-0137	Collection Date:	03/25/09 09:35 AM
Lab Order:	0903212	Matrix:	Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		M8015D					Analyst: AV
TPH-DRO C10-C28	26.8	3.03	10.1		mg/Kg-dry	1	03/31/09 12:18 PM
Surr: Isopropylbenzene	56.9	0	47 - 142		%REC	1	03/31/09 12:18 PM
Surr: Octacosane	184	0	25 - 162	S	%REC	1	03/31/09 12:18 PM
Modified 8015 Gasoline (GRO)		M8015V					Analyst: JAW
Gasoline Range Organics	ND	0.0530	0.177		mg/Kg-dry	1	03/30/09 10:55 PM
Surr: Tetrachlorethene	91.9	0	70 - 134		%REC	1	03/30/09 10:55 PM
Volatile Organics by GC		SW8021B					Analyst: JAW
Benzene	ND	0.00265	0.00441		mg/Kg-dry	1	03/31/09 10:00 PM
Ethylbenzene	ND	0.00441	0.0132		mg/Kg-dry	1	03/31/09 10:00 PM
Toluene	ND	0.00441	0.0132		mg/Kg-dry	1	03/31/09 10:00 PM
Xylenes, Total	ND	0.00441	0.0132		mg/Kg-dry	1	03/31/09 10:00 PM
Surr: Tetrachloroethene	119	0	79 - 135		%REC	1	03/31/09 10:00 PM
Total Mercury: Soil/Solid		SW7471A					Analyst: LM
Mercury	ND	0.0143	0.0357		mg/Kg-dry	1	04/03/09 01:15 PM
Trace Metals: ICP-MS - Solid		SW6020					Analyst: KW
Arsenic	2.41	0.502	1.00		mg/Kg-dry	5	04/01/09 11:05 PM
Barium	103	0.502	2.01		mg/Kg-dry	5	04/01/09 11:05 PM
Cadmium	0.171	0.100	0.301	J	mg/Kg-dry	5	04/01/09 11:05 PM
Chromium	6.68	0.502	2.01		mg/Kg-dry	5	04/01/09 11:05 PM
Copper	2.58	0.502	2.01		mg/Kg-dry	5	04/01/09 11:05 PM
Iron	6090	62.7	62.7		mg/Kg-dry	25	04/02/09 04:50 PM
Lead	4.42	0.100	0.301		mg/Kg-dry	5	04/01/09 11:05 PM
Manganese	57.4	0.502	2.01		mg/Kg-dry	5	04/01/09 11:05 PM
Selenium	1.64	0.150	0.502		mg/Kg-dry	5	04/01/09 11:05 PM
Silver	ND	0.100	0.201		mg/Kg-dry	5	04/01/09 11:05 PM
Zinc	22.9	1.00	2.51		mg/Kg-dry	5	04/01/09 11:05 PM
TRPH		E418.1					Analyst: DEW
Petroleum Hydrocarbons, TR	96.6	4.99	9.97	N	mg/Kg-dry	1	04/03/09 09:30 AM
Anions by IC method - Soil		E300					Analyst: JBC
Chloride	13.2	5.04	5.04		mg/Kg-dry	1	04/06/09 03:50 PM
Percent Moisture		D2216					Analyst: RP
Percent Moisture	2.28	0	0		WT%	1	03/27/09 03:30 PM

Qualifiers:

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

DHL Analytical

Date: 04/07/09

CLIENT:	Larson & Associates	Client Sample ID:	Cell 26 (0-1')
Project:	Chevron Landfarm	Lab ID:	0903212-07
Project No:	6-0137	Collection Date:	03/25/09 10:00 AM
Lab Order:	0903212	Matrix:	Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH Extractable by GC - Soil		**M8015D**					**Analyst: AV**
TPH-DRO C10-C28	202	2.85	9.48		mg/Kg-dry	1	03/31/09 12:35 PM
Surr: Isopropylbenzene	53.7	0	47 - 142		%REC	1	03/31/09 12:35 PM
Surr: Octacosane	363	0	25 - 162	S	%REC	1	03/31/09 12:35 PM
Modified 8015 Gasoline (GRO)		**M8015V**					**Analyst: JAW**
Gasoline Range Organics	ND	0.0596	0.199		mg/Kg-dry	1	03/30/09 11:18 PM
Surr: Tetrachlorethene	86.8	0	70 - 134		%REC	1	03/30/09 11:18 PM
Volatile Organics by GC		**SW8021B**					**Analyst: JAW**
Benzene	ND	0.00268	0.00447		mg/Kg-dry	1	03/31/09 10:22 PM
Ethylbenzene	ND	0.00447	0.0134		mg/Kg-dry	1	03/31/09 10:22 PM
Toluene	ND	0.00447	0.0134		mg/Kg-dry	1	03/31/09 10:22 PM
Xylenes, Total	ND	0.00447	0.0134		mg/Kg-dry	1	03/31/09 10:22 PM
Surr: Tetrachloroethene	114	0	79 - 135		%REC	1	03/31/09 10:22 PM
Total Mercury: Soil/Solid		**SW7471A**					**Analyst: LM**
Mercury	ND	0.0152	0.0380		mg/Kg-dry	1	04/03/09 12:30 PM
Trace Metals: ICP-MS - Solid		**SW6020**					**Analyst: KW**
Arsenic	2.63	0.432	0.864		mg/Kg-dry	5	04/01/09 08:49 PM
Barium	54.1	0.432	1.73		mg/Kg-dry	5	04/01/09 08:49 PM
Cadmium	0.158	0.0864	0.259	J	mg/Kg-dry	5	04/01/09 08:49 PM
Chromium	7.60	0.432	1.73		mg/Kg-dry	5	04/01/09 08:49 PM
Copper	3.59	0.432	1.73		mg/Kg-dry	5	04/01/09 08:49 PM
Iron	7500	54.0	54.0		mg/Kg-dry	25	04/02/09 03:23 PM
Lead	5.01	0.0864	0.259		mg/Kg-dry	5	04/01/09 08:49 PM
Manganese	80.9	0.432	1.73		mg/Kg-dry	5	04/01/09 08:49 PM
Selenium	2.03	0.130	0.432		mg/Kg-dry	5	04/01/09 08:49 PM
Silver	ND	0.0864	0.173		mg/Kg-dry	5	04/01/09 08:49 PM
Zinc	19.8	0.864	2.16		mg/Kg-dry	5	04/01/09 08:49 PM
TRPH		**E418.1**					**Analyst: DEW**
Petroleum Hydrocarbons, TR	1260	50.7	101	N	mg/Kg-dry	10	04/03/09 09:30 AM
Anions by IC method - Soil		**E300**					**Analyst: JBC**
Chloride	8.61	5.05	5.05		mg/Kg-dry	1	04/06/09 04:04 PM
Percent Moisture		**D2216**					**Analyst: RP**
Percent Moisture	1.91	0	0		WT%	1	03/27/09 03:30 PM

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

CLIENT: Larson & Associates
Work Order: 0903212
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_090330A

Sample ID:	LCS-34207	Batch ID:	34207	TestNo:		M8015D		Units:		mg/Kg	
SampType:	LCS	Run ID:	GC15_090330A	Analysis Date:		03/30/09 04:34 PM		Prep Date:		03/30/09	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28		92.4	10.0	125.0	0	73.9	50	114			
Surr: Isopropylbenzene		4.58		7.500		61.1	47	142			
Surr: Octacosane		5.29		7.500		70.6	25	162			
Sample ID:	MB-34207	Batch ID:	34207	TestNo:		M8015D		Units:		mg/Kg	
SampType:	MBLK	Run ID:	GC15_090330A	Analysis Date:		03/30/09 06:03 PM		Prep Date:		03/30/09	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28		ND	10.0								
Surr: Isopropylbenzene		4.70		7.500		62.7	47	142			
Surr: Octacosane		4.87		7.500		64.9	25	162			
Sample ID:	0903210-01B-MS	Batch ID:	34207	TestNo:		M8015D		Units:		mg/Kg-dry	
SampType:	MS	Run ID:	GC15_090330A	Analysis Date:		03/30/09 06:37 PM		Prep Date:		03/30/09	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28		89.2	10.1	126.5	0	70.5	50	114			
Surr: Isopropylbenzene		4.75		7.589		62.6	47	142			
Surr: Octacosane		5.11		7.589		67.4	25	162			
Sample ID:	0903210-01B-MSD	Batch ID:	34207	TestNo:		M8015D		Units:		mg/Kg-dry	
SampType:	MSD	Run ID:	GC15_090330A	Analysis Date:		03/30/09 06:53 PM		Prep Date:		03/30/09	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
TPH-DRO C10-C28		93.3	10.1	125.7	0	74.3	50	114	4.50	30	
Surr: Isopropylbenzene		4.88		7.539		64.7	47	142	0	0	
Surr: Octacosane		5.35		7.539		71.0	25	162	0	0	

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

CLIENT: Larson & Associates
Work Order: 0903212
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_090330A

Sample ID:	ICV-090330	Batch ID:	R42618	TestNo:		M8015D		Units:	mg/Kg
SampType:	ICV	Run ID:	GC15_090330A	Analysis Date:		03/30/09 03:07 PM		Prep Date:	
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit Qual
TPH-DRO C10-C28	556	10.0	500.0	0	111	85	115		
Surr: Isopropylbenzene	25.7		25.00		103	47	142		
Surr: Octacosane	26.9		25.00		108	25	162		

Sample ID:	CCV1-090330	Batch ID:	R42618	TestNo:		M8015D		Units:	mg/Kg
SampType:	CCV	Run ID:	GC15_090330A	Analysis Date:		03/30/09 08:17 PM		Prep Date:	
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit Qual
TPH-DRO C10-C28	261	10.0	250.0	0	104	85	115		
Surr: Isopropylbenzene	12.1		12.50		97.1	47	142		
Surr: Octacosane	13.5		12.50		108	25	162		

Sample ID:	ICV-090331	Batch ID:	R42618	TestNo:		M8015D		Units:	mg/Kg
SampType:	ICV	Run ID:	GC15_090330A	Analysis Date:		03/31/09 10:03 AM		Prep Date:	
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit Qual
TPH-DRO C10-C28	453	10.0	500.0	0	90.5	85	115		
Surr: Isopropylbenzene	24.9		25.00		99.5	47	142		
Surr: Octacosane	26.1		25.00		104	25	162		

Sample ID:	CCV1-090331	Batch ID:	R42618	TestNo:		M8015D		Units:	mg/Kg
SampType:	CCV	Run ID:	GC15_090330A	Analysis Date:		03/31/09 01:35 PM		Prep Date:	
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit Qual
TPH-DRO C10-C28	227	10.0	250.0	0	90.9	85	115		
Surr: Isopropylbenzene	13.9		12.50		111	47	142		
Surr: Octacosane	14.7		12.50		117	25	162		

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

CLIENT: Larson & Associates
Work Order: 0903212
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_090330A

Sample ID:	LCS-34189	Batch ID:	34189		TestNo:		M8015V		Units:		mg/Kg
SampType:	LCS	Run ID:	GC4_090330A		Analysis Date:		03/30/09 01:11 PM		Prep Date:		03/30/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Gasoline Range Organics		4.64	0.200	5.000	0	92.7	68	126			
Surr: Tetrachlorethene		0.318		0.4000		79.4	70	134			
Sample ID:	MB-34189	Batch ID:	34189		TestNo:		M8015V		Units:		mg/Kg
SampType:	MBLK	Run ID:	GC4_090330A		Analysis Date:		03/30/09 01:55 PM		Prep Date:		03/30/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Gasoline Range Organics		ND	0.200								
Surr: Tetrachlorethene		0.328		0.4000		81.9	70	134			
Sample ID:	0903210-01AMS	Batch ID:	34189		TestNo:		M8015V		Units:		mg/Kg-dry
SampType:	MS	Run ID:	GC4_090330A		Analysis Date:		03/30/09 05:43 PM		Prep Date:		03/30/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Gasoline Range Organics		3.61	0.189	4.735	0	76.2	68	126			
Surr: Tetrachlorethene		0.332		0.3788		87.7	70	134			
Sample ID:	0903210-01AMSD	Batch ID:	34189		TestNo:		M8015V		Units:		mg/Kg-dry
SampType:	MSD	Run ID:	GC4_090330A		Analysis Date:		03/30/09 06:05 PM		Prep Date:		03/30/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Gasoline Range Organics		3.66	0.183	4.580	0	79.8	68	126	1.37	30	
Surr: Tetrachlorethene		0.324		0.3664		88.4	70	134	0	0	

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

CLIENT: Larson & Associates
Work Order: 0903212
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_090330A

Sample ID:	ICV-090330	Batch ID:	R42614		TestNo:		M8015V			Units:	mg/Kg
SampType:	ICV	Run ID:	GC4_090330A		Analysis Date:		03/30/09 12:40 PM			Prep Date:	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Gasoline Range Organics		9.19	0.200	10.00	0	91.9	85	115			
Surr: Tetrachlorethene		0.371		0.4000		92.7	74	138			
Sample ID:	CCV1-090330	Batch ID:	R42614		TestNo:		M8015V			Units:	mg/Kg
SampType:	CCV	Run ID:	GC4_090330A		Analysis Date:		03/30/09 07:12 PM			Prep Date:	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Gasoline Range Organics		4.26	0.200	5.000	0	85.2	85	115			
Surr: Tetrachlorethene		0.323		0.4000		80.8	74	138			
Sample ID:	CCV2-090331	Batch ID:	R42614		TestNo:		M8015V			Units:	mg/Kg
SampType:	CCV	Run ID:	GC4_090330A		Analysis Date:		03/31/09 12:27 PM			Prep Date:	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Gasoline Range Organics		4.52	0.200	5.000	0	90.4	85	115			
Surr: Tetrachlorethene		0.356		0.4000		89.1	74	138			

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

CLIENT: Larson & Associates
Work Order: 0903212
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_090331A

Sample ID:	LCS-34232	Batch ID:	34232		TestNo:		SW8021B		Units:		mg/Kg
SampType:	LCS	Run ID:	GC4_090331A		Analysis Date:		03/31/09 02:09 PM		Prep Date:		03/31/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Benzene		0.103	0.00500	0.1000	0	103	65	113			
Toluene		0.101	0.0150	0.1000	0	101	73	115			
Ethylbenzene		0.101	0.0150	0.1000	0	101	74	118			
Xylenes, Total		0.313	0.0150	0.3000	0	104	73	119			
Surr: Tetrachloroethene		0.226		0.2000		113	79	135			

Sample ID:	MB-34232	Batch ID:	34232		TestNo:		SW8021B		Units:		mg/Kg
SampType:	MBLK	Run ID:	GC4_090331A		Analysis Date:		03/31/09 03:02 PM		Prep Date:		03/31/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Benzene		ND	0.00500								
Toluene		ND	0.0150								
Ethylbenzene		ND	0.0150								
Xylenes, Total		ND	0.0150								
Surr: Tetrachloroethene		0.212		0.2000		106	79	135			

Sample ID:	0903211-03AMS	Batch ID:	34232		TestNo:		SW8021B		Units:		mg/Kg-dry
SampType:	MS	Run ID:	GC4_090331A		Analysis Date:		03/31/09 05:42 PM		Prep Date:		03/31/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Benzene		0.0925	0.00501	0.1002	0	92.3	65	113			
Toluene		0.0894	0.0150	0.1002	0	89.2	73	115			
Ethylbenzene		0.0882	0.0150	0.1002	0	88.0	74	118			
Xylenes, Total		0.270	0.0150	0.3006	0	90.0	73	119			
Surr: Tetrachloroethene		0.231		0.2004		115	79	135			

Sample ID:	0903211-03AMSD	Batch ID:	34232		TestNo:		SW8021B		Units:		mg/Kg-dry
SampType:	MSD	Run ID:	GC4_090331A		Analysis Date:		03/31/09 06:03 PM		Prep Date:		03/31/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Benzene		0.0930	0.00501	0.1002	0	92.8	65	113	0.540	30	
Toluene		0.0914	0.0150	0.1002	0	91.2	73	115	2.22	30	
Ethylbenzene		0.0908	0.0150	0.1002	0	90.6	74	118	2.91	30	
Xylenes, Total		0.276	0.0150	0.3006	0	91.8	73	119	2.03	30	
Surr: Tetrachloroethene		0.228		0.2004		114	79	135	0	0	

Qualifiers:

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

CLIENT: Larson & Associates
Work Order: 0903212
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_090331A

Sample ID:	ICV-090331	Batch ID:	R42623	TestNo:	SW8021B	Units:	mg/Kg
SampType:	ICV	Run ID:	GC4_090331A	Analysis Date:	03/31/09 01:35 PM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Benzene	0.201	0.00500	0.2000	0	100	85	115			
Toluene	0.199	0.0150	0.2000	0	99.6	85	115			
Ethylbenzene	0.197	0.0150	0.2000	0	98.6	85	115			
Xylenes, Total	0.600	0.0150	0.6000	0	100	85	115			
Surr: Tetrachloroethene	0.234		0.2000		117	79	135			

Sample ID:	CCV1-090331	Batch ID:	R42623	TestNo:	SW8021B	Units:	mg/Kg
SampType:	CCV	Run ID:	GC4_090331A	Analysis Date:	03/31/09 06:24 PM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Benzene	0.0981	0.00500	0.1000	0	98.1	85	115			
Toluene	0.0967	0.0150	0.1000	0	96.7	85	115			
Ethylbenzene	0.0982	0.0150	0.1000	0	98.2	85	115			
Xylenes, Total	0.300	0.0150	0.3000	0	99.9	85	115			
Surr: Tetrachloroethene	0.222		0.2000		111	79	135			

Sample ID:	CCV2-090331	Batch ID:	R42623	TestNo:	SW8021B	Units:	mg/Kg
SampType:	CCV	Run ID:	GC4_090331A	Analysis Date:	03/31/09 11:30 PM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Benzene	0.0957	0.00500	0.1000	0	95.7	85	115			
Toluene	0.0948	0.0150	0.1000	0	94.8	85	115			
Ethylbenzene	0.0962	0.0150	0.1000	0	96.2	85	115			
Xylenes, Total	0.285	0.0150	0.3000	0	94.9	85	115			
Surr: Tetrachloroethene	0.218		0.2000		109	79	135			

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

CLIENT: Larson & Associates
Work Order: 0903212
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: CETAC_HG_090403A

Sample ID:	MB-34244	Batch ID:	34244		TestNo:		SW7471A		Units:		mg/Kg
SampType:	MBLK	Run ID:	CETAC_HG_090403A		Analysis Date:		04/03/09 12:24 PM		Prep Date:		04/01/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		ND	0.0400								
Sample ID:	LCS-34244	Batch ID:	34244		TestNo:		SW7471A		Units:		mg/Kg
SampType:	LCS	Run ID:	CETAC_HG_090403A		Analysis Date:		04/03/09 12:26 PM		Prep Date:		04/01/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.220	0.0400	0.2000	0	110	85	115			
Sample ID:	LCSD-34244	Batch ID:	34244		TestNo:		SW7471A		Units:		mg/Kg
SampType:	LCSD	Run ID:	CETAC_HG_090403A		Analysis Date:		04/03/09 12:28 PM		Prep Date:		04/01/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.226	0.0400	0.2000	0	113	85	115	2.69	25	
Sample ID:	0903212-07B SD	Batch ID:	34244		TestNo:		SW7471A		Units:		mg/Kg-dry
SampType:	SD	Run ID:	CETAC_HG_090403A		Analysis Date:		04/03/09 12:32 PM		Prep Date:		04/01/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0	0.190	0	0				0	10	
Sample ID:	0903212-07B PDS	Batch ID:	34244		TestNo:		SW7471A		Units:		mg/Kg-dry
SampType:	PDS	Run ID:	CETAC_HG_090403A		Analysis Date:		04/03/09 12:34 PM		Prep Date:		04/01/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.247	0.0380	0.2375	0	104	85	115			
Sample ID:	0903212-07B MS	Batch ID:	34244		TestNo:		SW7471A		Units:		mg/Kg-dry
SampType:	MS	Run ID:	CETAC_HG_090403A		Analysis Date:		04/03/09 12:36 PM		Prep Date:		04/01/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.216	0.0373	0.1866	0	116	80	120			
Sample ID:	0903212-07B MSD	Batch ID:	34244		TestNo:		SW7471A		Units:		mg/Kg-dry
SampType:	MSD	Run ID:	CETAC_HG_090403A		Analysis Date:		04/03/09 12:38 PM		Prep Date:		04/01/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.218	0.0376	0.1879	0	116	80	120	0.716	25	

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

CLIENT: Larson & Associates
Work Order: 0903212
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: CETAC_HG_090403A

Sample ID:	ICV-090403	Batch ID:	R42681		TestNo:		SW7471A			Units:	mg/Kg
SampType:	ICV	Run ID:	CETAC_HG_090403A		Analysis Date:		04/03/09 12:20 PM			Prep Date:	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.00390	0.0400	0.004000	0	97.5	90	110			
Sample ID:	CCV1-090403	Batch ID:	R42681		TestNo:		SW7471A			Units:	mg/Kg
SampType:	CCV	Run ID:	CETAC_HG_090403A		Analysis Date:		04/03/09 12:44 PM			Prep Date:	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.00196	0.0400	0.002000	0	98.0	90	110			
Sample ID:	CCV2-090403	Batch ID:	R42681		TestNo:		SW7471A			Units:	mg/Kg
SampType:	CCV	Run ID:	CETAC_HG_090403A		Analysis Date:		04/03/09 01:09 PM			Prep Date:	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.00196	0.0400	0.002000	0	98.0	90	110			
Sample ID:	CCV3-090403	Batch ID:	R42681		TestNo:		SW7471A			Units:	mg/Kg
SampType:	CCV	Run ID:	CETAC_HG_090403A		Analysis Date:		04/03/09 01:17 PM			Prep Date:	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.00198	0.0400	0.002000	0	99.0	90	110			

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

CLIENT: Larson & Associates
Work Order: 0903212
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_090401B

Sample ID:	MB-34241	Batch ID:	34241		TestNo:		SW6020		Units:		mg/Kg
SampType:	MBLK	Run ID:	ICP-MS2_090401B		Analysis Date:		04/01/09 07:16 PM		Prep Date:		04/01/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	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-34241	Batch ID:	34241		TestNo:		SW6020		Units:		mg/Kg
SampType:	LCS	Run ID:	ICP-MS2_090401B		Analysis Date:		04/01/09 07:22 PM		Prep Date:		04/01/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic		50.9	1.00	50.00	0	102	80	120			
Barium		50.6	2.00	50.00	0	101	80	120			
Cadmium		47.8	0.300	50.00	0	95.5	80	120			
Chromium		49.0	2.00	50.00	0	97.9	80	120			
Copper		47.0	2.00	50.00	0	94.0	80	120			
Iron		260	12.5	250.0	0	104	80	120			
Lead		49.2	0.300	50.00	0	98.4	80	120			
Manganese		48.4	2.00	50.00	0	96.9	80	120			
Selenium		43.6	0.500	50.00	0	87.2	80	120			
Silver		48.1	0.200	50.00	0	96.2	80	120			
Zinc		47.5	2.50	50.00	0	95.0	80	120			

Sample ID:	LCSD-34241	Batch ID:	34241		TestNo:		SW6020		Units:		mg/Kg
SampType:	LCSD	Run ID:	ICP-MS2_090401B		Analysis Date:		04/01/09 07:28 PM		Prep Date:		04/01/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic		49.1	1.00	50.00	0	98.2	80	120	3.60	25	
Barium		50.4	2.00	50.00	0	101	80	120	0.248	25	
Cadmium		47.1	0.300	50.00	0	94.2	80	120	1.37	25	
Chromium		46.0	2.00	50.00	0	92.0	80	120	6.21	25	
Copper		44.1	2.00	50.00	0	88.1	80	120	6.53	25	
Iron		250	12.5	250.0	0	99.9	80	120	4.19	25	
Lead		48.6	0.300	50.00	0	97.1	80	120	1.28	25	
Manganese		46.5	2.00	50.00	0	93.0	80	120	4.00	25	
Selenium		43.3	0.500	50.00	0	86.6	80	120	0.691	25	
Silver		47.7	0.200	50.00	0	95.4	80	120	0.835	25	
Zinc		44.3	2.50	50.00	0	88.6	80	120	7.08	25	

Sample ID:	0903212-07B SD	Batch ID:	34241	TestNo:	SW6020	Units:	mg/Kg-dry
SampType:	SD	Run ID:	ICP-MS2_090401B	Analysis Date:	04/01/09 08:55 PM	Prep Date:	04/01/09

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

CLIENT: Larson & Associates
Work Order: 0903212
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_090401B

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	2.99	4.32	0	2.631				12.7	10	R
Barium	54.0	8.64	0	54.11				0.180	10	
Cadmium	0	1.30	0	0.1584				0	10	
Chromium	8.55	8.64	0	7.596				11.8	10	R
Copper	3.76	8.64	0	3.594				4.61	10	
Lead	5.15	1.30	0	5.007				2.87	10	
Manganese	90.0	8.64	0	80.91				10.6	10	R
Selenium	2.57	2.16	0	2.029				23.4	10	R
Silver	0	0.864	0	0				0	10	
Zinc	22.9	10.8	0	19.85				14.3	10	R

Sample ID: 0903212-07B PDS | Batch ID: 34241 | TestNo: SW6020 | Units: mg/Kg-dry
SampType: PDS | Run ID: ICP-MS2_090401B | Analysis Date: 04/01/09 09:00 PM | Prep Date: 04/01/09

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	44.0	0.864	43.20	2.631	95.8	75	125			
Barium	98.4	1.73	43.20	54.11	103	75	125			
Cadmium	39.4	0.259	43.20	0.1584	90.7	75	125			
Chromium	44.7	1.73	43.20	7.596	86.0	75	125			
Copper	39.7	1.73	43.20	3.594	83.6	75	125			
Lead	46.3	0.259	43.20	5.007	95.6	75	125			
Manganese	119	1.73	43.20	80.91	88.2	75	125			
Selenium	38.3	0.432	43.20	2.029	84.0	75	125			
Silver	36.7	0.173	43.20	0	84.9	75	125			
Zinc	56.6	2.16	43.20	19.85	85.0	75	125			

Sample ID: 0903212-07B MS | Batch ID: 34241 | TestNo: SW6020 | Units: mg/Kg-dry
SampType: MS | Run ID: ICP-MS2_090401B | Analysis Date: 04/01/09 09:06 PM | Prep Date: 04/01/09

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	46.1	0.879	43.94	2.631	98.8	80	120			
Barium	107	1.76	43.94	54.11	121	80	120			S
Cadmium	42.6	0.264	43.94	0.1584	96.6	80	120			
Chromium	46.7	1.76	43.94	7.596	88.9	80	120			
Copper	42.0	1.76	43.94	3.594	87.3	80	120			
Iron	6730	11.0	219.7	6428	136	80	120			S
Lead	48.5	0.264	43.94	5.007	99.1	80	120			
Manganese	120	1.76	43.94	80.91	88.4	80	120			
Selenium	39.4	0.439	43.94	2.029	85.0	80	120			
Silver	42.1	0.176	43.94	0	95.7	80	120			
Zinc	59.1	2.20	43.94	19.85	89.3	80	120			

Sample ID: 0903212-07B MSD | Batch ID: 34241 | TestNo: SW6020 | Units: mg/Kg-dry
SampType: MSD | Run ID: ICP-MS2_090401B | Analysis Date: 04/01/09 09:11 PM | Prep Date: 04/01/09

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	44.0	0.902	45.11	2.631	91.6	80	120	4.65	25	
Barium	95.9	1.80	45.11	54.11	92.7	80	120	11.3	25	
Cadmium	41.1	0.271	45.11	0.1584	90.7	80	120	3.66	25	

Qualifiers:

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

CLIENT: Larson & Associates
Work Order: 0903212
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_090401B

Chromium	44.3	1.80	45.11	7.596	81.5	80	120	5.11	25	
Copper	39.9	1.80	45.11	3.594	80.5	80	120	4.99	25	
Iron	6320	11.3	225.5	6428	-45.9	80	120	6.18	25	S
Lead	46.0	0.271	45.11	5.007	91.0	80	120	5.29	25	
Manganese	113	1.80	45.11	80.91	71.2	80	120	5.76	25	S
Selenium	37.8	0.451	45.11	2.029	79.4	80	120	4.01	25	S
Silver	40.9	0.180	45.11	0	90.7	80	120	2.69	25	
Zinc	57.5	2.26	45.11	19.85	83.5	80	120	2.69	25	

Qualifiers:

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

CLIENT: Larson & Associates
Work Order: 0903212
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_090401B

Sample ID:	ICV1-090401	Batch ID:	R42657	TestNo:	SW6020	Units:	mg/L
SampType:	ICV	Run ID:	ICP-MS2_090401B	Analysis Date:	04/01/09 01:47 PM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	0.104	0.00600	0.100	0	104	90	110			
Barium	0.102	0.0100	0.100	0	102	90	110			
Cadmium	0.101	0.00100	0.100	0	101	90	110			
Chromium	0.101	0.00600	0.100	0	101	90	110			
Copper	0.102	0.0100	0.100	0	102	90	110			
Iron	2.74	0.150	2.50	0	110	90	110			
Lead	0.103	0.00100	0.100	0	103	90	110			
Manganese	0.102	0.0100	0.100	0	102	90	110			
Selenium	0.105	0.00600	0.100	0	105	90	110			
Silver	0.100	0.00200	0.100	0	100	90	110			
Zinc	0.103	0.00500	0.100	0	103	90	110			

Sample ID:	CCV4-090401	Batch ID:	R42657	TestNo:	SW6020	Units:	mg/L
SampType:	CCV	Run ID:	ICP-MS2_090401B	Analysis Date:	04/01/09 06:49 PM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	0.210	0.00600	0.200	0	105	90	110			
Barium	0.203	0.0100	0.200	0	102	90	110			
Cadmium	0.192	0.00100	0.200	0	96.0	90	110			
Chromium	0.193	0.00600	0.200	0	96.5	90	110			
Copper	0.185	0.0100	0.200	0	92.6	90	110			
Iron	4.77	0.150	5.00	0	95.4	90	110			
Lead	0.199	0.00100	0.200	0	99.4	90	110			
Manganese	0.193	0.0100	0.200	0	96.6	90	110			
Selenium	0.185	0.00600	0.200	0	92.4	90	110			
Silver	0.200	0.00200	0.200	0	100	90	110			
Zinc	0.190	0.00500	0.200	0	95.2	90	110			

Sample ID:	CCV5-090401	Batch ID:	R42657	TestNo:	SW6020	Units:	mg/L
SampType:	CCV	Run ID:	ICP-MS2_090401B	Analysis Date:	04/01/09 08:11 PM	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	0.208	0.00600	0.200	0	104	90	110			
Barium	0.201	0.0100	0.200	0	101	90	110			
Cadmium	0.193	0.00100	0.200	0	96.4	90	110			
Chromium	0.194	0.00600	0.200	0	96.8	90	110			
Copper	0.184	0.0100	0.200	0	92.2	90	110			
Iron	4.80	0.150	5.00	0	95.9	90	110			
Lead	0.196	0.00100	0.200	0	98.1	90	110			
Manganese	0.195	0.0100	0.200	0	97.3	90	110			
Selenium	0.189	0.00600	0.200	0	94.5	90	110			
Silver	0.194	0.00200	0.200	0	97.2	90	110			
Zinc	0.190	0.00500	0.200	0	94.8	90	110			

Sample ID:	CCV6-090401	Batch ID:	R42657	TestNo:	SW6020	Units:	mg/L
SampType:	CCV	Run ID:	ICP-MS2_090401B	Analysis Date:	04/01/09 09:44 PM	Prep Date:	

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

CLIENT: Larson & Associates
Work Order: 0903212
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_090401B

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	0.211	0.00600	0.200	0	105	90	110			
Barium	0.205	0.0100	0.200	0	103	90	110			
Cadmium	0.193	0.00100	0.200	0	96.6	90	110			
Chromium	0.193	0.00600	0.200	0	96.6	90	110			
Copper	0.183	0.0100	0.200	0	91.6	90	110			
Iron	4.74	0.150	5.00	0	94.7	90	110			
Lead	0.196	0.00100	0.200	0	98.0	90	110			
Manganese	0.194	0.0100	0.200	0	97.2	90	110			
Selenium	0.188	0.00600	0.200	0	94.2	90	110			
Silver	0.194	0.00200	0.200	0	97.0	90	110			
Zinc	0.191	0.00500	0.200	0	95.3	90	110			

Sample ID: CCV7-090401 Batch ID: R42657 TestNo: SW6020 Units: mg/L
SampType: CCV Run ID: ICP-MS2_090401B Analysis Date: 04/01/09 11:11 PM Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	0.212	0.00600	0.200	0	106	90	110			
Barium	0.202	0.0100	0.200	0	101	90	110			
Cadmium	0.193	0.00100	0.200	0	96.4	90	110			
Chromium	0.191	0.00600	0.200	0	95.4	90	110			
Copper	0.183	0.0100	0.200	0	91.5	90	110			
Lead	0.194	0.00100	0.200	0	96.8	90	110			
Manganese	0.193	0.0100	0.200	0	96.5	90	110			
Selenium	0.190	0.00600	0.200	0	95.2	90	110			
Silver	0.194	0.00200	0.200	0	96.8	90	110			
Zinc	0.188	0.00500	0.200	0	94.2	90	110			

Qualifiers:

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

CLIENT: Larson & Associates
Work Order: 0903212
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3_090402B

Sample ID:	0903212-07B SD	Batch ID:	34241		TestNo:		SW6020		Units:		mg/Kg-dry
SampType:	SD	Run ID:	ICP-MS3_090402B		Analysis Date:		04/02/09 03:28 PM		Prep Date:		04/01/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Iron		7380	270	0	7498				1.64	10	

Sample ID:	0903212-07B PDS	Batch ID:	34241		TestNo:		SW6020		Units:		mg/Kg-dry
SampType:	PDS	Run ID:	ICP-MS3_090402B		Analysis Date:		04/02/09 03:33 PM		Prep Date:		04/01/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Iron		12800	54.0	5400	7498	97.3	75	125			

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

CLIENT: Larson & Associates
Work Order: 0903212
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3_090402B

Sample ID:	ICV1-090402	Batch ID:	R42673		TestNo:		SW6020			Units:	mg/L
SampType:	ICV	Run ID:	ICP-MS3_090402B		Analysis Date:		04/02/09 01:19 PM			Prep Date:	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Iron		2.69	0.150	2.50	0	107	90	110			
Sample ID:	CCV2-090402	Batch ID:	R42673		TestNo:		SW6020			Units:	mg/L
SampType:	CCV	Run ID:	ICP-MS3_090402B		Analysis Date:		04/02/09 03:13 PM			Prep Date:	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Iron		5.07	0.150	5.00	0	101	90	110			
Sample ID:	CCV3-090402	Batch ID:	R42673		TestNo:		SW6020			Units:	mg/L
SampType:	CCV	Run ID:	ICP-MS3_090402B		Analysis Date:		04/02/09 04:14 PM			Prep Date:	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Iron		5.07	0.150	5.00	0	101	90	110			
Sample ID:	CCV4-090402	Batch ID:	R42673		TestNo:		SW6020			Units:	mg/L
SampType:	CCV	Run ID:	ICP-MS3_090402B		Analysis Date:		04/02/09 05:10 PM			Prep Date:	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Iron		5.02	0.150	5.00	0	100	90	110			

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

CLIENT: Larson & Associates
Work Order: 0903212
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: IC2_090406A

Sample ID:	LCS-34293	Batch ID:	34293		TestNo:		E300			Units:	mg/Kg
SampType:	LCS	Run ID:	IC2_090406A		Analysis Date:		04/06/09 10:33 AM			Prep Date:	04/03/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Chloride		45.0	5.00	50.00	0	90.0	80	120			
Sample ID:	LCSD-34293	Batch ID:	34293		TestNo:		E300			Units:	mg/Kg
SampType:	LCSD	Run ID:	IC2_090406A		Analysis Date:		04/06/09 10:47 AM			Prep Date:	04/03/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Chloride		44.6	5.00	50.00	0	89.2	80	120	0.949	20	
Sample ID:	MB-34293	Batch ID:	34293		TestNo:		E300			Units:	mg/Kg
SampType:	MBLK	Run ID:	IC2_090406A		Analysis Date:		04/06/09 11:02 AM			Prep Date:	04/03/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Chloride		ND	5.00								
Sample ID:	0903210-01B MS	Batch ID:	34293		TestNo:		E300			Units:	mg/Kg-dry
SampType:	MS	Run ID:	IC2_090406A		Analysis Date:		04/06/09 11:46 AM			Prep Date:	04/03/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Chloride		53.6	5.31	53.13	5.330	90.9	80	120			
Sample ID:	0903210-01B MSD	Batch ID:	34293		TestNo:		E300			Units:	mg/Kg-dry
SampType:	MSD	Run ID:	IC2_090406A		Analysis Date:		04/06/09 12:01 PM			Prep Date:	04/03/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Chloride		52.9	5.31	53.13	5.330	89.6	80	120	1.35	20	
Sample ID:	0903212-07B MS	Batch ID:	34293		TestNo:		E300			Units:	mg/Kg-dry
SampType:	MS	Run ID:	IC2_090406A		Analysis Date:		04/06/09 04:50 PM			Prep Date:	04/03/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Chloride		52.2	25.2	50.47	5.170	93.1	80	120			
Sample ID:	0903212-07B MSD	Batch ID:	34293		TestNo:		E300			Units:	mg/Kg-dry
SampType:	MSD	Run ID:	IC2_090406A		Analysis Date:		04/06/09 05:04 PM			Prep Date:	04/03/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Chloride		52.3	25.2	50.47	5.170	93.4	80	120	0.265	20	

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

CLIENT: Larson & Associates
Work Order: 0903212
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: IC2_090406A

Sample ID:	ICV-090406	Batch ID:	R42714		TestNo:		E300			Units:	mg/Kg
SampType:	ICV	Run ID:	IC2_090406A		Analysis Date:		04/06/09 10:15 AM			Prep Date:	04/06/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Chloride		23.4	5.00	25.00	0	93.6	90	110			
Sample ID:	CCV1-090406	Batch ID:	R42714		TestNo:		E300			Units:	mg/Kg
SampType:	CCV	Run ID:	IC2_090406A		Analysis Date:		04/06/09 01:15 PM			Prep Date:	04/06/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Chloride		9.12	5.00	10.00	0	91.2	90	110			
Sample ID:	CCV2-090406	Batch ID:	R42714		TestNo:		E300			Units:	mg/Kg
SampType:	CCV	Run ID:	IC2_090406A		Analysis Date:		04/06/09 04:34 PM			Prep Date:	04/06/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Chloride		9.12	5.00	10.00	0	91.2	90	110			
Sample ID:	CCV3-090406	Batch ID:	R42714		TestNo:		E300			Units:	mg/Kg
SampType:	CCV	Run ID:	IC2_090406A		Analysis Date:		04/06/09 05:19 PM			Prep Date:	04/06/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Chloride		9.05	5.00	10.00	0	90.5	90	110			

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

CLIENT: Larson & Associates
Work Order: 0903212
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: IR207_090403A

Sample ID:	LCS-34294	Batch ID:	34294		TestNo:		E418.1		Units:		mg/Kg
SampType:	LCS	Run ID:	IR207_090403A		Analysis Date:		04/03/09 09:30 AM		Prep Date:		04/03/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Petroleum Hydrocarbons, TR		105	10.0	100.0	0	105	80	120			N
Sample ID:	MB-34294	Batch ID:	34294		TestNo:		E418.1		Units:		mg/Kg
SampType:	MBLK	Run ID:	IR207_090403A		Analysis Date:		04/03/09 09:30 AM		Prep Date:		04/03/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Petroleum Hydrocarbons, TR		ND	10.0								N
Sample ID:	0903211-05BMS	Batch ID:	34294		TestNo:		E418.1		Units:		mg/Kg-dry
SampType:	MS	Run ID:	IR207_090403A		Analysis Date:		04/03/09 09:30 AM		Prep Date:		04/03/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Petroleum Hydrocarbons, TR		116	10.7	106.8	0	109	80	120			N
Sample ID:	0903211-05BMSD	Batch ID:	34294		TestNo:		E418.1		Units:		mg/Kg-dry
SampType:	MSD	Run ID:	IR207_090403A		Analysis Date:		04/03/09 09:30 AM		Prep Date:		04/03/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Petroleum Hydrocarbons, TR		114	10.8	108.1	0	106	80	120	1.73	20	N

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

CLIENT: Larson & Associates
Work Order: 0903212
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: IR207_090403A

Sample ID:	ICV-090403	Batch ID:	418_S-4/3/09	TestNo:		E418.1		Units:		mg/Kg	
SampType:	ICV	Run ID:	IR207_090403A	Analysis Date:		04/03/09 09:30 AM		Prep Date:			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Petroleum Hydrocarbons, TR		259	10.0	250.0	0	104	90	110			N

Sample ID:	CCV1-090403	Batch ID:	418_S-4/3/09	TestNo:		E418.1		Units:		mg/Kg	
SampType:	CCV	Run ID:	IR207_090403A	Analysis Date:		04/03/09 09:30 AM		Prep Date:			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Petroleum Hydrocarbons, TR		256	10.0	250.0	0	103	85	115			N

Sample ID:	CCV2-090403	Batch ID:	418_S-4/3/09	TestNo:		E418.1		Units:		mg/Kg	
SampType:	CCV	Run ID:	IR207_090403A	Analysis Date:		04/03/09 09:30 AM		Prep Date:			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Petroleum Hydrocarbons, TR		255	10.0	250.0	0	102	85	115			N

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

CLIENT: Larson & Associates
Work Order: 0903212
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: PMOIST_090327A

Sample ID:	0903212-07B-DUP	Batch ID:	34178		TestNo:	D2216			Units:		WT%
SampType:	DUP	Run ID:	PMOIST_090327A		Analysis Date:	03/27/09 03:30 PM			Prep Date:		03/27/09
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Percent Moisture		1.97	0	0	1.911				3.28	30	

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