

Robert Speer Portfolio Manager, Upstream Business Unit Remediation Team

Chevron Environmental Management Company 1400 Smith St. 07049 Houston, TX 77002 Tel (731) 372-6117 Cell (713) 301-7274 rspeer@chevron.com

July 10, 2015

Bradford Billings Environmental Specialist New Mexico Oil Conservation Division 811 South First St. Artesia, NM 88210

Re: Chevron Pardue Farms 27-12 Well Site – Request for No Further Action

Dear Mr. Billings:

Please find enclosed for your files copies of the following No-Further-Action request for the Pardue Farms 27-12 Well project site:

Closure Report – Pardue Farms 27-12 Well Site, Section 27 – Township 23 South – Range 28
East, Eddy County, NM

This report was prepared by Conestoga-Rovers & Associates (CRA) on behalf of Chevron Environmental Management Company (CEMC) to document assessment activities and regional and local groundwater conditions in response to a release of produced water documented in our 2010 submittal of form C-141. We have concluded that chloride impacts from this release are minimal, and the potential impacts to groundwater is non-existent or indistinguishable from background conditions. Based on this, we are recommending that no further delineation or remedial efforts are warranted, and recommend closure of this release record.

Should you have any questions regarding the content of this report, please do not hesitate to contact me. I look forward to working with you in the future.

Sincerely,

Rob Speer

Environmental Project Manager



July 8, 2015 Reference No. 076323

Mr. Bradford Billings New Mexico Oil Conservation Division 811 South First Street Artesia, NM 88210

Dear Mr. Billings:

Re: Request for No Further Action

Chevron Pardue Farms 27-12 Well Site

RP# 2RP-1395

NE/4, SW/4, Section 27, Township 23S, Range 28E Latitude: N 32.27358, Longitude: W 104.07818

Eddy County, New Mexico

On behalf of Chevron Environmental Management Company (CEMC), GHD Services Inc. (GHD), formerly Conestoga Rovers and Associates, Inc. (CRA) requests no further action for the above referenced Site (hereafter referred to as the "Site"). The Site is currently owned and operated by CEMC, who acquired the Site in association with the 2005 Pure Resources acquisition.

1. Project Information and Release Background

The Site is an active well location situated approximately one mile southeast of Loving, New Mexico, in Eddy County (see Figure 1). It is located in the northeast quarter of the southwest quarter of Section 27, Township 23-South, Range 28-East.

The surface property is owned by private interests. The surrounding area is primarily developed for oil and gas extraction and agricultural purposes. A salt lake is located approximately 3.35 miles to the northeast of the Site. The former U.S. Borax and Chemical Company refinery was located approximately 3.5 miles northeast of the Site. The Pecos River is located approximately 2.5 miles east of the Site and the property is situated within the Pecos River floodplain.

According to CEMC personnel, a release occurred due to a pinhole in a flow line caused by internal corrosion (see Figure 2). The release reportedly occurred in the spring of 2010. Based on the size of the surface expression of the release, the volume was initially estimated at less than five barrels (bbls) of oil and water.

This volume is below the New Mexico Oil Conservation Division (NMOCD) reporting requirements and the release was initially assessed in house by the Chevron Business Unit. Data obtained from installing two soil borings and some initial remediation indicated that the release was larger than 5 bbls and a C-141 for was submitted.

1.1 Regulatory Framework

The constituents of concern (COCs) in soil and groundwater at the Site were chloride, total dissolved solids (TDS), benzene, toluene, ethyl benzene, and xylene (BTEX), total petroleum hydrocarbons (TPH) gasoline-range organics (GRO), and diesel-range organics (TPH-DRO).

Based on groundwater gauging data collected by CRA in April 2012, the depth to groundwater is approximately 26 to 29 feet below ground surface (bgs). Therefore, the NMOCD Recommended Remediation Action Levels (RRALs) in soil are 250 milligrams per kilogram (mg/kg) for chloride; 10 mg/kg for benzene; 50 mg/kg for total BTEX; and 100 mg/kg for TPH. Additionally, groundwater standards as defined by the New Mexico Water Quality Control Commission (NMWQCC) are 250 milligrams per liter (mg/L) for chloride, 1,000 mg/L for TDS, 0.01 mg/L for benzene, 0.75 mg/L for ethyl benzene and toluene, and 0.62 for xylene.

1.2 Chronology of Events to Date

- June 21, 2010: Two soil borings, BH-1 and BH-2, were installed by CEMC staff. Soil laboratory analytical results are summarized in Table 1. The analytical report is included as Appendix A.
- April 9 10, 2012: Three additional soil borings, SB-1, SB-2, and SB-3, along with three groundwater monitoring wells, MW-1, MW-2, and MW-3, were installed by CRA. Soil laboratory analytical results are summarized in Table 1 and Figure 3. The laboratory analytical report is included as Appendix B.
- April 11 and 20, 2012: CRA conducted groundwater monitoring events. Groundwater gauging data
 is presented on Table 2 and Figure 4. Groundwater laboratory analytical results are summarized
 in Table 3 and Figure 5. The laboratory analytical report is included as Appendix B.
- November 7, 2012: Form C-141 submitted to Mr. Mike Bratcher of the NMOCD. See Appendix C for a copy of this form. Remediation Permit number 2RP-1395-0 was assigned to the release.
- January 3, 2013: A work plan proposing to excavate impacted soils to a depth of approximately
 five feet bgs, followed by placement of a liner in the bottom of the excavation and backfilling, was
 submitted to the NMOCD. However, work was never performed due to denial of access by the
 landowner.
- June 5, 2013 a work plan proposing the installation of an up-gradient groundwater monitoring well
 in order to collect background groundwater data was submitted by CRA to CEMC. This work was
 also never performed due to denial of access by the landowner.

1.3 Site Groundwater Quality

A review of groundwater data collected from the on-site monitor wells indicated the following:

- Concentrations of BTEX were below laboratory reporting limits (LRLs);
- Concentrations of TPH were below or near LRLs;
- Concentrations of chlorides ranged from 5,860 to 6,820 mg/l; and
- Concentrations of TDS ranged from 13,900 to 17,000 mg/l.

Due to close proximity to the river and the salt lake, and the consistency of the elevated TDS concentrations, GHD suspects that the elevated TDS may be background concentrations. Since these concentrations are above 10,000 mg/l, the aquifer would not be protected in accordance with New Mexico Administrative Code (NMAC) 20.6.2.3103.

Due to this, CRA submitted a work plan to the NMOCD to install an up gradient monitor well to confirm the background TDS concentration. The CEMC land man contacted the property owner to request site access to install the well. However, the request for site access was denied by the property owner. The land owner did not give a specific reason for denying access. As a result, the up gradient well has not been installed and additional background groundwater quality data has not been collected.

2. Historical Groundwater Information

Since site-specific data could not be collected, CRA performed a literature and database review to assess background TDS concentrations. Several studies of groundwater quality were performed in the vicinity of the Site to support local water use planning and Project Gnome. Project Gnome was the first nuclear test of the Plowshare Program and consisted of detonating a nuclear device approximately 1,200 feet bgs (Cooper, 1962). The project Gnome detonation occurred approximately 13 miles east of the Site in December 1961.

Groundwater found west of the Pecos River is typically located within the Cenozoic Alluvium, unconfined, and is believed to be in communication with water found in the underlying Rustler Formation (Cooper, 1962). Groundwater ranges in depth from ten feet bgs near the river to approximately 100 feet bgs west of the town of Loving, New Mexico (Cooper, 1962). Groundwater typically flows to the east-southeast toward the Pecos River.

Water quality within the Cenozoic Alluvium is highly variable. Concentrations of TDS range from 188 to 15,000 milligrams per liter (mg/L) and chlorides range from five to 7,400 mg/L (Richey, et Al., 1985). To assess groundwater concentrations local to the Site, a table of water chemistry data obtained from wells located within the same township (23-South) and range (28-East) was compiled and is presented in the Historical Groundwater Information Table below:

Section	Depth (feet bgs)	TDS (mg/L)	Chloride (mg/L)	Chloride: TDS Correlation
20	250	5,780	1,620	3.56
5	210	4,133	731	5.65
11	100	5,841	1,243	4.69
23	148	2,900	720	4.02

Section	Depth (feet bgs)	TDS (mg/L)	Chloride (mg/L)	Chloride: TDS Correlation
24	96	3,272	664	4.92

Notes:

1. Data obtained from Richey, et Al., 1985

Based on this data, naturally occurring concentrations of TDS and chloride exceed NMWQCC Standards in wells located in the vicinity of the Site. An assessment of the data indicates that the average ratio between the chloride and TDS concentrations is 4.56.

3. Database Search and Background Groundwater Conditions

CRA performed a database search of the immediately adjacent sections within the same township and range as the site. Sections 21, 22, 23, 26, 28, 33, 34, and 35, within Township 23-South and Range 28-West, were searched on the following databases:

- New Mexico Office of the State Engineer Water Rights Reporting System,
- The United States Geological Survey Groundwater Data for the Nation Database,
- The Petroleum Recovery Research Center Pit Rule Mapping Portal, and
- The NMOCD Imaging System.

The search of the NMOCD Imaging System yielded a C-141 Form received by Mr. Mike Bratcher on August 18, 2009, detailing a release (2RP-350-0) of approximately 300 bbls of produced water at Range Resources Corporation's (RRC) South Culebra Bluff 23-19 Injection Facility (SCB 23-19). The SCB 23-19 site is located in section 23; township 23-South; range 28-East and is approximately 1.7 miles from the Pardue Farms 27-12 Site (see Figure 6). A copy of the report can be found in Appendix D.

In response to this release, a work plan that included the collection of both soil and groundwater background samples was performed on September 24, 2009. Background soil samples were collected from adjacent fields at three different locations. In addition, a groundwater sample was collected from a nearby irrigation well. The samples were analyzed for chloride by Cardinal Labs of Hobbs, New Mexico.

Analytical results from the soil samples indicated chloride concentrations of 6,320 milligrams per kilogram (mg/kg), 3,280 mg/kg, and 8,000 mg/kg, respectively. These concentrations are generally consistent with the soil samples collected from the Pardue Farms assessment at depths of below 10 feet bgs. This may indicate that the produced water generally did not exceed 10 feet bgs.

The background groundwater sample contained chloride at a concentration of 3,040 mg/L (SESI, 2009). The groundwater sample collected during SESI's background sampling investigation was not analyzed for TDS. However, an extrapolation of the ratios between chloride and TDS concentrations displayed on the Historical Groundwater Information Table in Section 2.0 should provide a reasonable

estimate of the TDS concentration in the vicinity of the site. Using the lowest and highest ratios observed, the TDS at the site should range between 10,846 to 17,176 mg/L with an average concentration of 14,011 mg/L. These concentrations are consistent with the TDS concentrations observed during the groundwater sampling (Table 2) ranging from 13,900 to 17,000 mg/L.

Groundwater with an existing TDS concentration of over 10,000 mg/L is not protected under the New Mexico Administrative Code (NMAC) 20.6.2.3103. Therefore, GHD believes that groundwater at the Pardue Farms 27-12 Site is not subject to regulation under NMAC 20.6.2.3103.

4. Summary and Recommendations

Based on previous soil and groundwater assessments, historical groundwater information, and database searches, GHD presents the following summary:

- Petroleum hydrocarbon concentrations in the soil appear to be predominately localized within five feet of ground surface and consist mostly of diesel-range organics.
- Soil concentrations of chloride exceed the NMOCD RRAL at all sampled depths. However, the soil
 sample analytical data collected below a depth of 10 feet bgs may be consistent with background
 chloride concentrations observed in the area.
- The observed depth to groundwater ranged from 26.03 to 29.35 feet bgs with a gradient to the north-northeast.
- Groundwater concentrations of TDS and chloride in all Site monitoring wells exceed NMWQCC Standards. Petroleum hydrocarbon concentrations in the groundwater were below laboratory reporting limits.
- The observed TDS concentrations indicate that the groundwater below the site is not a protected
 aquifer in accordance with (NMAC) 20.6.2.3103. However, the land owner will not allow CEMC to
 install an up gradient well to confirm the background TDS concentrations. Due to this, CRA
 performed a literature search and data extrapolation to assess the TDS concentrations in the
 shallow groundwater below the site.
- Background groundwater data was reviewed that was collected from an irrigation system located approximately 1.7 miles from the Site. The sample collected contained chloride at a concentration of 3,040 mg/L. This concentration likely correlates to background TDS concentrations in excess of 10,000 mg/L.

Due to background TDS concentrations in excess of 10,000 mg/L, GHD believes that groundwater at the Site is not subject to regulation under NMAC 20.6.2.3103. Based on this, GHD requests that no further action status be granted for the Pardue Farms 27-12 Site.

5. References

 Cooper, James B, "Groundwater Investigation of the Project Gnome Area, Eddy and Lea Counties, New Mexico," United States Department of the Interior Geologic Survey, March 1962.

- 2. Richey, Stephen F.; Wells, Jane G.; and Stephens, Kathleen T.; "Geohydrology of the Delaware Basin and Vicinity, Texas and New Mexico," US Geological Survey, Water Resources Investigation Report 84-4077, 1985.
- Range Operating New Mexico, Inc. SCB 23-19 Injection Facility Work Plan. Rep. Hobbs, New Mexico: Safety & Environmental Solutions, Inc. 2009. New Mexico Oil Conservation Division Imaging System. Web. 29 Apr. 2015.

Should you have any questions, or require additional information regarding this submittal, please feel free to contact Bernie Bockisch at (505) 884-0672 or bernard.bockisch@ghd.com.

Sincerely,

GHD

Cale Kanack
Project Scientist

Bernard Bockisch, PMP Sr. Project Manager

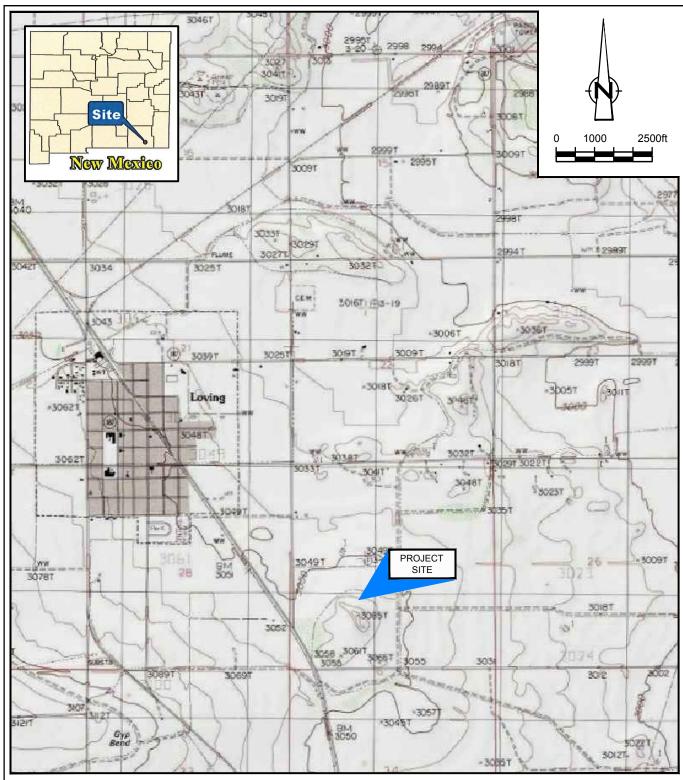
CK/mc/01

Encl. (13)

Enclosures:

- Figure 1- Site Location Map
- Figure 2- Release Location Map
- Figure 3- Soil Analytical Results Map
- Figure 4- Groundwater Gradient Map
- Figure 5- Groundwater Chloride And TDS Concentration Map
- Figure 6- Site Vicinity Map
- Table 1 Soil Analytical Summary
- Table 2- Groundwater Gauging Summary
- Table 3- Groundwater Analytical Summary
- Appendix A- June 2010 Soil Laboratory Analytical Report
- Appendix B- April 2012 Soil and Groundwater Laboratory Analytical Report
- Appendix C- Form C-141, NMOCD Release Notification and Corrective Action

Figures



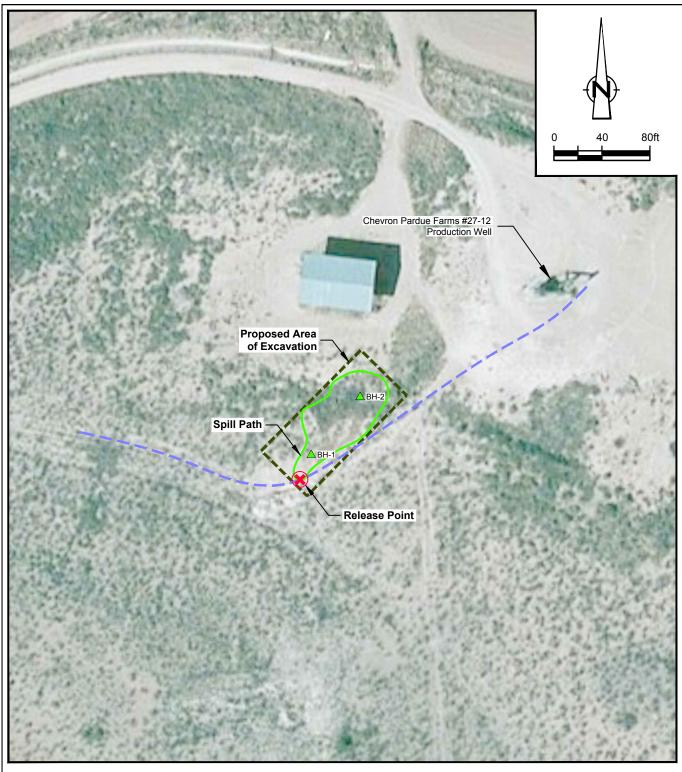
SOURCE: USGS 7.5 MINUTE QUAD "LOVING, NEW MEXICO"

LAT/LONG: 32.27358° NORTH, 104.07818° WEST COORDINATE: NAD83 DATUM, U.S. FOOT STATE PLANE ZONE - NEW MEXICO EAST

Figure 1

SITE LOCATION MAP PARDUE FARMS 27-12 EDDY COUNTY, NEW MEXICO Chevron Environmental Management Company





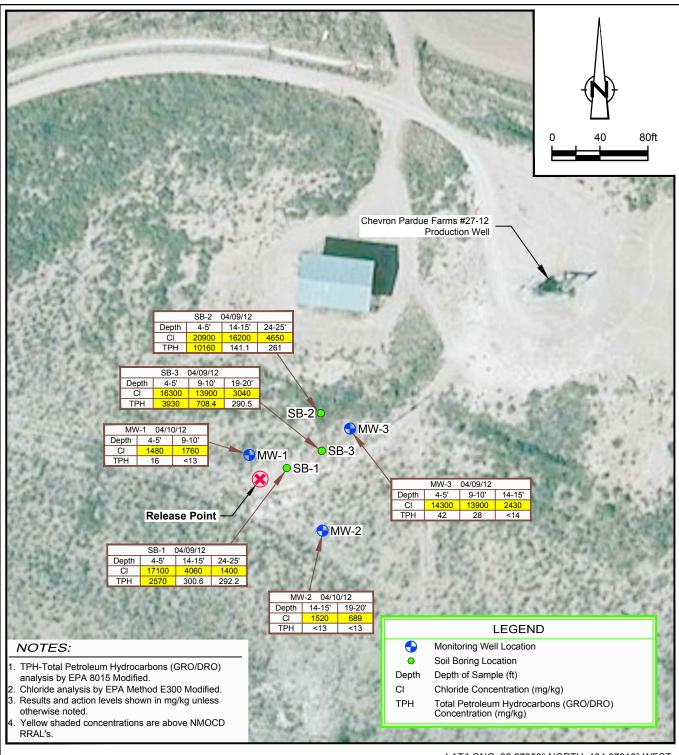


LAT/LONG: 32.27358° NORTH, 104.07818° WEST COORDINATE: NAD83 DATUM, U.S. FOOT STATE PLANE ZONE - NEW MEXICO EAST

Figure 2

RELEASE LOCATION MAP
PARDUE FARMS 27-12
EDDY COUNTY, NEW MEXICO
Chevron Environmental Management Company





LAT/LONG: 32.27358° NORTH, 104.07818° WEST COORDINATE: NAD83 DATUM, U.S. FOOT STATE PLANE ZONE - NEW MEXICO EAST

Figure 3

SOIL ANALYTICAL RESULTS MAP PARDUE FARMS 27-12 EDDY COUNTY, NEW MEXICO Chevron Environmental Management Company



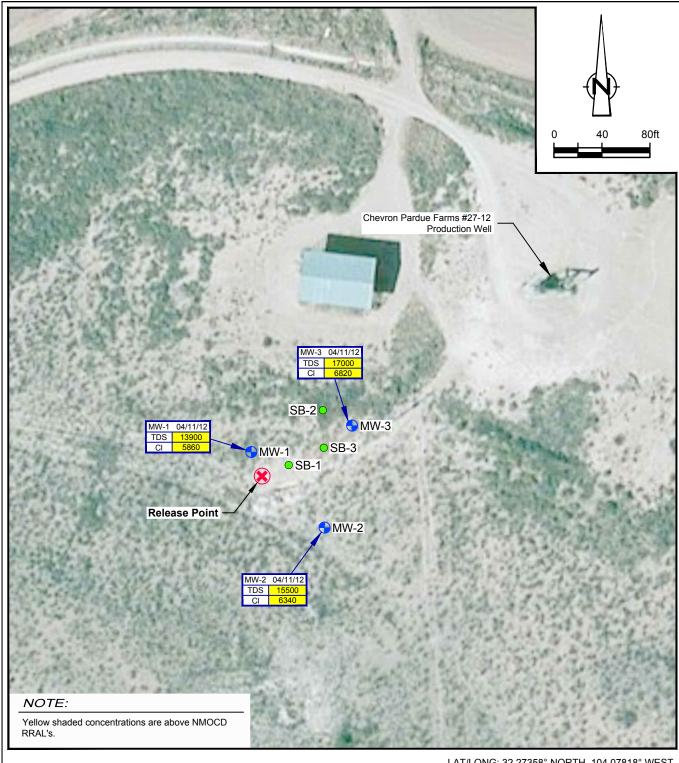




Figure 4

GROUNDWATER GRADIENT MAP PARDUE FARMS 27-12 EDDY COUNTY, NEW MEXICO Chevron Environmental Management Company







LAT/LONG: 32.27358° NORTH, 104.07818° WEST COORDINATE: NAD83 DATUM, U.S. FOOT STATE PLANE ZONE - NEW MEXICO EAST

Figure 5

GROUNDWATER CHLORIDE AND TDS
CONCENTRATION MAP
PARDUE FARMS 27-12
EDDY COUNTY, NEW MEXICO
Chevron Environmental Management Company



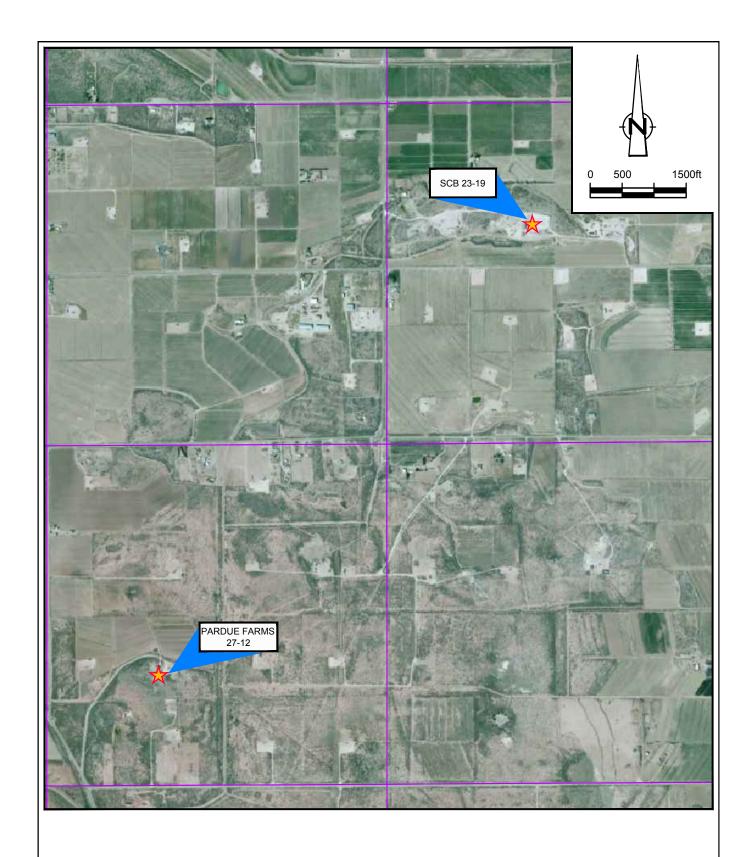


Figure 6

SITE PROXIMITY MAP PARDUE FARMS 27-12 EDDY COUNTY, NEW MEXICO Chevron Environmental Management Company



Tables

TABLE 1

SOIL ANALYTICAL SUMMARY CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY PARDUE FARMS 27-12 EDDY COUNTY, NEW MEXICO

		Depth			Ethyl-	thyl-		Percent			ТРН	
Sample ID	Sample Date	(feet)	Benzene	Toluene	Benzene	Xylenes	BTEX	Moisture (%)	Chloride	GRO	DRO	Total (GRO/DRO)
	New M	exico Oil Co	nservation Divi	ision Recomme	nded Remedia	ition Action L	evels (Verti	cal separation fro	om groundwa	ter less than	50')	
			0.2				50		250			500
BH-1	6/21/10	0-1	NA	NA	NA	NA	NA	NA	20,000	3,960	11,700	15,660
BH-1	6/21/10	5-6	NA	NA	NA	NA	NA	NA	18,400	346	1,270	1,616
BH-1	6/21/10	10-11	NA	NA	NA	NA	NA	NA	8,000	< 10	< 10	< 10
BH-1	6/21/10	15-16	NA	NA	NA	NA	NA	NA	2,920	< 10	61.4	61.4
BH-1	6/21/10	20-21	NA	NA	NA	NA	NA	NA	2,120	NA	NA	NA
BH-1	6/21/10	25-26	NA	NA	NA	NA	NA	NA	1,960	NA	NA	NA
BH-2	6/21/10	0-1	NA	NA	NA	NA	NA	NA	14,400	1,560	13,200	14,760
BH-2	6/21/10	5-6	NA	NA	NA	NA	NA	NA	16,800	< 10	14.6	14.6
BH-2	6/21/10	10-11	NA	NA	NA	NA	NA	NA	4,320	< 10	< 10	< 10
BH-2	6/21/10	15-16	NA	NA	NA	NA	NA	NA	2,600	< 10	< 10	< 10
BH-2	6/21/10	20-21	NA	NA	NA	NA	NA	NA	2,360	NA	NA	NA
SB-1 5'	4/9/12	4-5	< 0.020	0.33	0.62	3.9	4.9	8.4	17,100	170	2,400	2,570
SB-1 15'	4/9/12	14-15	< 0.0053	< 0.0053	< 0.0053	< 0.016	< 0.016	11.2	4,060	0.6 J	300	300.6
SB-1 25'	4/9/12	24-25	< 0.0054	< 0.0054	0.0040 J	0.028	0.032	13	1,400	2.2	290	292.2
SB-2 5'	4/9/12	4-5	0.027 J	3.4	3.7	20	27	10.3	20,900	660	9,500	10,160
SB-2 15'	4/9/12	14-15	< 0.0054	< 0.0054	< 0.0054	< 0.016	< 0.016	9.9	16,200	1.1 J	140	141.1
SB-2 25'	4/9/12	24-25	< 0.0054	< 0.0054	< 0.0054	< 0.016	< 0.016	11.6	4,650	1.0 J	260	261
SB-3 5'	4/9/12	4-5	< 0.021	0.36	0.81	5.1	6.3	9.3	16,300	230	3,700	3,930
SB-3 10'	4/9/12	9-10	0.0030 J	< 0.0055	0.0092	0.079	0.091	7.5	13,900	8.4	700	708.4
SB-3 20'	4/9/12	19-20	< 0.0057	< 0.0057	< 0.0057	< 0.017	< 0.017	10.7	3,040	0.5 J	290	290.5
MW-1 5'	4/10/12	4-5	< 0.0052	< 0.0052	< 0.0052	< 0.016	< 0.016	6.4	1,480	< 1.0	16	16
MW-1 10'	4/10/12	9-10	< 0.0057	< 0.0057	< 0.0057	< 0.017	< 0.017	7.7	1,760	< 1.1	< 13	< 13
MW-2 15'	4/10/12	14-15	< 0.0051	< 0.0051	< 0.0051	< 0.015	< 0.015	9.2	1,520	< 1.0	< 13	< 13
MW-2 20'	4/10/12	19-20	< 0.0057	< 0.0057	< 0.0057	< 0.017	< 0.017	11.1	689	< 1.1	< 13	< 13
MW-3 5'	4/9/12	4-5	0.0023 J	0.0023 J	0.0029 J	0.011 J	0.019	9.7	14,300	< 1.1	42	42
MW-3 10'	4/9/12	9-10	< 0.0054	< 0.0054	< 0.0054	< 0.016	< 0.016	9.5	13,900	< 1.1	28	28
MW-3 15'	4/9/12	14-15	< 0.0054	< 0.0054	< 0.0054	< 0.016	< 0.016	11.9	2,430	< 1.1	< 14	< 14

Notes

- 1) Results that are bold and highlighted exceed the New Mexico Oil Conservation Division Recommended Remediation Action Levels
- 2) Results that are bold exceed the laboratory reporting limit (RL)
- 3) BTEX analysis by EPA Method 8021B
- 4) TPH (GRO/DRO) analysis by EPA Method 8015 Modified
- 5) Results and Action Levels shown in mg/kg , unless otherwise noted
- 6) Soil borings BH-1 and BH-2 were sampled by $\mbox{CONSULTANT}$ on June 21, 2010
- 7) < = Not detected at or above the laboratory reporting limit
- 8) J = estimated value between RL & MDL
- 9) NA = Not Analyzed

TABLE 2

GROUNDWATER GAUGING SUMMARY CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY PARDUE FARMS 27-12 EDDY COUNTY, NEW MEXICO

Well ID TOC Elevation (ft. NAVD '88)	Gauging Date	Depth to Groundwater (ft. below TOC)	Depth to LNAPL (ft. below	LNAPL Thickness (ft.)	Groundwater Elevation (ft. NAVD '88)	Well Depth (ft. below	Well Screen Interval (ft. below TOC)
MW-1	4/11/12	26.78			3043.52	58	15-55
3,070.30	4/20/12	27.80			3042.50	58	15-55
MW-2	4/11/12	29.26			3042.61	58	15-55
3,071.87	4/20/12	29.35			3042.52	58	15-55
MW-3	4/11/12	26.03			3042.61	60	19-54
3068.64	4/20/12	26.15			3042.49	60	19-54

Notes

- 1) TOC Top of Casing
- 2) NAVD = North American Vertical Datum
- 3) TOC Elevations surveyed in feet NAVD '88 on June 7, 2012 for TMW 1 through 3

TABLE 3

GROUNDWATER ANALYTICAL SUMMARY CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY PARDUE FARMS 27-12

EDDY COUNTY, NEW MEXICO

Carranta	C			Ed. J				TPH							
Sample ID	Sample Date	Benzene	Toluene	Ethyl- Benzene	Xylenes	TDS	Chloride	GRO	DRO	Total (GRO/DRO)					
		Ne	w Mexico V	Vater Qua	lity Control	Commission	on Standard	ds							
		0.01	0.75	0.75	0.62	1,000	250								
MW-1	4/11/12	<0.0010	<0.0010	<0.0010	<0.0030	13,900	5,860	<0.050	0.035 J	0.035					
MW-2	4/11/12	<0.0010	<0.0010	<0.0010	<0.0030	15,500	6,340	<0.050	0.050 J	0.050					
MW-3	4/11/12	<0.0010	<0.0010	<0.0010	<0.0030	17,000	6,820	<0.050	0.094 J	0.094					

Notes:

- 1) Results that are bold exceed the laboratory reporting limit (RL)
- 2) BTEX analysis by EPA Method 8021B
- 3) TPH (GRO/DRO) analysis by EPA Method 8015 Modified
- 4) Results and standards shown in mg/L
 5) <= Not detected at or above the reporting limit
 6) J = estimated value between RL & MDL

Appendix A June 2010 Soil Laboratory Analytical Report



June 28, 2010

Cindy Crain Crain Environmental 2925 E. 17th St. Odessa, TX 79761

Re: Pardue Farms 27-12

Enclosed are the results of analyses for sample number H20169, received by the laboratory on 06/21/10 at 3:20 pm.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021 Method SW-846 8260 Benzene, Toluene, Ethyl Benzene, and Total Xylenes Benzene, Toluene, Ethyl Benzene, and Total Xylenes

Method TX 1005

Total Petroleum Hydrocarbons

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

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

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.2

Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

Total Number of Pages of Report: 5 (includes Chain of Custody)

Sincerely,

Celey D. Keene

Laboratory Director



ANALYTICAL RESULTS FOR CRAIN ENVIRONMENTAL ATTN: CINDY CRAIN 2925 E. 17TH ST. ODESSA, TX 79761 FAX TO: (432) 272-0304

Receiving Date: 06/21/10 Reporting Date: 06/25/10

Project Owner: CHEVRON

Project Name: PARDUE FARMS 27-12

Project Location: EDDY CO., NM

Analysis Date: 06/22/10 Sampling Date: 06/21/10

Sample Type: SOIL

Sample Condition: INTACT @ 15°C

Sample Received By: AB

Analyzed By: HM

		CI
LAB NO.	SAMPLE ID	(mg/kg)
H20169-1	BH-1 (0-1')	20,000
H20169-2	BH-1 (5-6')	18,400
H20169-3	BH-1 (10-11')	8,000
H20169-4	BH-1 (15-16')	2,920
H20169-5	BH-1 (20-21')	2,120
H20169-6	BH-1 (25-26')	1,960
H20169-7	BH-2 (0-1')	14,400
H20169-8	BH-2 (5-6')	16,800
H20169-9	BH-2 (10-11')	4,320
H20169-10	BH-2 (15-16')	2,600
H20169-11	BH-2 (20-21')	2,360
Quality Control		490
True Value QC		500
% Recovery		98.0
Relative Percer	t Difference	3.8

METHOD: Standard Methods 4500-Cl'B Note: Analyses performed on 1:4 w:v aqueous extracts.

Not accredited for Chloride.

Chemist

Date

06/28/10

H20169 Crain Environmental



ANALYTICAL RESULTS FOR CRAIN ENVIRONMENTAL ATTN: CINDY CRAIN 2925 E. 17TH ST. ODESSA, TX 79761

FAX TO: (432) 272-0304

Receiving Date: 06/21/10

Reporting Date: 06/24/10

Project Owner: CHEVRON

Project Name: PARDUE FARMS 27-12

Project Location: EDDY CO., NM

Sampling Date: 06/21/10

Sample Type: SOIL

Sample Condition: INTACT @ 15°C

Sample Received By: AB

Analyzed By: AB

		GRO	DRO
		(C ₆ -C ₁₀)	(>C ₁₀ -C ₂₈)
LAB NUMBER	SAMPLE ID	(mg/kg)	(mg/kg)

ANALYSIS DA	ATE:	06/24/10	06/24/10
H20169-1	BH-1 (0-1')	3,960	11,700
H20169-2	BH-1 (5-6')	346	1,270
H20169-3	BH-1 (10-11')	<10.0	<10.0
H20169-4	BH-1 (15-16')	<10.0	61.4
H20169-7	BH-2 (0-1')	1,560	13,200
H20169-8	BH-2 (5-6')	<10.0	14.6
H20169-9	BH-2 (10-11')	<10.0	<10.0
H20169-10	BH-2 (15-16')	<10.0	<10.0
Quality Contro	ol .	448	531
True Value Qu	A CONTRACTOR OF	500	500
% Recovery		89.6	106
	ent Difference	0.6	0.5

METHOD: SW-846 8015 M

Not accredited for GRO/DRO. Reported on wet weight.

()

Chemist

Date

06/28/10

H20169 T CRAIN ENV

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



101 East Marland, Hobbs, NM 88240 (575) 303 2326 EAY (575) 303 2476

Company Name	Company Name: Crain Environmental										311	LL TO		ANALYSIS REQUEST													
Project Manage								P.O	. #:							T	T	T	T	T		T	T	T	T		
Address: 20	125 E. 17+ St.							Cor	npa	ny:	(heur	20														
	State: TX	Zip	: 7	197	16	1		Attn: Rodney Bailey					len														
							4	Address: 15 Smith Rd.																			
Project #:	A:								city: Midland															-			
Project Name:									-			Zip: 79	271							- 1							
Project Location: Eddy Co., NH								Pho						1										-			
Sampler Name:	Cirdy Crain							Fax	#:					is													
FOR LAB USE ONLY	3	T	П		MA	TRIX	(PRE	SER	٧.	SAMPLI	VG	0	de												
		(C)OMP.		2							1			∞	-								1				
		Õ	# CONTAINERS	ATE	WASTEWATER						1			F	9												
Lab I.D.	Sample I.D.	R	AIN	NON	N N		ш		ASE	00				3	3												
		(G)RAB	NO.	SOL	IS TE		SLUDGE	HH.	ID/B	ICE / COOL	분			1	7												
.1			#	G.	SOS	ō	SL	0	AC	0 0	ō	DATE	TIME			-		-	+	_	-	+-	+	+			
420/69-1	BH-1 (0-1)	C	1	-	-	-	-	-	-	-	4	6/21/10	1040	-		-	_	-	+	-		+	-	+			-
-7 -3	1 (5-6)	C	'	-	-	+	\vdash	-	-	-	-	• (1024	1	-	+	-	+	+	-		-	+	+			-
-4	(10-11.)	C	+	\vdash	-	-	-	-	-	-	\dashv	81	1054	~		\vdash		+	+	-	-	-	+	+			
-6	" (15-16)	15	,	\vdash	-	-	-	\dashv	-	_	\dashv	11	1055	~	-	+	+	+	+	-		+-	+	+			-
-5 -6 -7	1 (25-26)	1	+	\vdash	-	-		-	+		+	11		\vdash	-	+		+	+	-	*****************	+-	+	+			
-7	BH-2 (0-1')	1	1	\vdash	-	-		1	1		1	11	1110	~	-	\vdash	-	+	+	-		+	+	+			
-8	(5-6)	6	1	\top	-				7	-	1	16	1129	-	V	1	1	1	+		-	1	+	1			
-8 -9	(10-11)	C	١		-	+			T	-	1	11	1134	1	/				1			1	T	1			
-10	(15-16)	C	1		-					-	1	41	1141	1	V												
PLEASE NOTE: Liability an analyses All claims including	d Damages. Cardinal's liability and client's exclusive remedy for any g those for negligence and any other cause whatsoever shall be de-	claim a	rising w	vhether i	based in ide in wr	contra iting an	ct or to d recei	rt, shal ved by	l be lin	nited to nal with	the a	amount paid by the days after compl	client for the etion of the applic	cable		Mary Congress			-		-						
	rdinal be liable for incidental or consequental damages, including w agout of or related to the performance of services hereunder by Ca																										
Relinquished By	Date: 4/21/10	Re	geiv	ed B	v:	,	2				-		Phone Res		□ Ye		□ No		'l Ph	one #	<i>‡</i> :		_				
()	Time:	100	5	-/	1	1	5		1				REMARKS														
Relinquished By			ceiv	ed B	v:	_	_		1														. 1	L	m		
	Time:	-						6	/							d	.1	10			6	ar	101	1.			
Delivered By					amal.	Co	nditi	20		TUE	CVI	ED BV:	Enail to Crain @ gmail														
Delivered By: (Circle One) Sample Condition Cool Intact Sampler) UPS - Bus - Other:							ct	OII	,		nitir	ED BY:					1:	ndy									
Sampler UPS	- Bus - Other:	- 1	57	. [Ye	s M	Yes	1	A	-	/	1					0	_									

FORM-006 Revision 1.0 Sample Condition Cool Intact
Yes A Yes
No No

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST

ARDINAL LABORATORIES

Company Name:

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

rain Environmental

Project Manager: Cindy	CI-My Clair								P.O. #:								1			- 1	- 1	
Address: 2925 E.	17th St.							company: Chevier												- 1		
city: Cdessa	State: 🗆	Zip):	79	76	1	1	Attn: Rodney Bailey Address: 15 Smith Rd.														
Phone #: (432) 530- 97	197 Fax#: (43	2)	2	72	03	50-	1	Address: 15 Smith Rd.														
Project #:	Project Owner				00			city: Midland														
Project Name: Pardue F	Farms 27						1	State: 7X Zip: 79071					2									
roject Location: Edd. Co. NM								hor	ne #:				MS				1			- 1		
Sampler Name: Cinda	Crain						_	ax #					N								1	
FOR LAB USE ONLY			Г		MA	TRIX		P	RESI	ERV	SAMPL	NG	08	0								
Lab I.D. Sampl		(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER:	ICE / COOL	OTHER:	DATE	TIME	HAL	Chloride								
H20169-11 BH-2 (2	0-21)	C	1		L			T	-		6/21/10	1146		V								
			L					1		1						_	_					
		_	L				4	1	_	-					 		-	-				
		_	⊢	\vdash	-		_	+	+	-					 		-		 			
		-	┞	\vdash	-	-	-	+	+	-					 	-	-	-				
		\vdash	\vdash	\vdash		\vdash	+	+	+	+					 	-	-		 			
		\vdash	\vdash	\vdash	+		+	+	+	+			-	-	 	-	-		 			
		\vdash	\vdash	\vdash	-		+	+	+	+					 	-	+	-				
PLEASE NOTE: Liability and Damages. Cardinal's liability at analyses. All claims including those for negligence and any of service. In no event shall Cardinal be liable for incigental or cardinal tensor supersessors arising out of or related to the perform Relinquished By: Relinquished By: Delivered By: (Circle One) Sampler) UPS - Bus - Other: FORM-006	ther cause whatsoever shall be dee consequental damages, including with mance of services hereunder by Car Date; Date	Re Re	raived unitation regards	yed E	ade in writes interrupted by: By: ample cool Yei	Con Intac	ditio	d by Cose, or I	ardinal oss of p any of	within profits if the ab	30 days after comp incurred by client, it	letion of the applic s subsidiaries,	sult: t:	□ Ye.	No No		Phone Fax #:					

BILL TO

Appendix B April 2012 Soil and Groundwater Laboratory Analytical Report



2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 •717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

ANALYTICAL RESULTS

Prepared by:

Prepared for:

Lancaster Laboratories 2425 New Holland Pike Lancaster, PA 17605-2425 Conestoga-Rovers & Associates 6320 Rothway, Suite 100 Houston TX 77040

April 25, 2012

Project: Chevron Pardue Farms Eddy County, NM

Submittal Date: 04/12/2012 Group Number: 1301809 PO Number: 4047851 Release Number: EDDY COUNTY, NM State of Sample Origin: NM

<u>Lancaster Labs (LLI) #</u>
6614482
6614483
6614484
6614485
6614486
6614487
6614488
6614489
6614490
6614491
6614492
6614493
6614494
6614495
6614496
6614497
6614498
6614499
6614500
6614501
6614502

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.



2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 •717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

ELECTRONIC Conestoga-Rovers & Associates Attn: Tom Larson

COPY TO

ELECTRONIC LLI Attn: EDD Group - Report

COPY TO

ELECTRONIC Conestoga-Rovers & Associates Attn: Claudia Ramos

COPY TO

Respectfully Submitted,

Wendy A. Kozma

Principal Specialist Group Leader

Wendy a. Kenn

(717) 556-7257



2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 •717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Sample Description: SB-2 5' Grab Soil

Chevron Pardue Farms Eddy County, NM

LLI Sample # SW 6614482 LLI Group # 1301809 Account # 11713

Project Name: Chevron Pardue Farms Eddy County, NM

Collected: 04/09/2012 13:25 by TL Conestoga-Rovers & Associates

6320 Rothway, Suite 100

Houston TX 77040

Submitted: 04/12/2012 10:20 Reported: 04/25/2012 14:53

PF25-

CAT No.	Analysis Name		CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC Vol	latiles	SW-846	8015B modified	mg/kg	mg/kg	
01638	TPH-GRO soil C6-C10		n.a.	660	41	913.24
GC Vol	latiles	SW-846	8021B	mg/kg	mg/kg	
08179	Benzene		71-43-2	0.027 J	0.041	182.65
08179	Ethylbenzene		100-41-4	3.7	0.041	182.65
08179	Toluene		108-88-3	3.4	0.041	182.65
08179	Total Xylenes		1330-20-7	20	0.12	182.65
Repo:	rting limits were rai	sed due t	o interference from	m the sample matr	ix.	
GC Pet	croleum	SW-846	8015B	mg/kg	mg/kg	
Hydrod	carbons					
08270	TPH-DRO soil C10-C2	8	n.a.	9,500	1,300	100
Wet Ch	nemistry	EPA 300	0.0	mg/kg	mg/kg	
07333	Chloride by IC (sol	id)	16887-00-6	20,900	11,000	1000
Wet Ch	nemistry	SM20 25	340 G	%	%	
00111	Moisture		n.a.	10.3	0.50	1
	"Moisture" represen 103 - 105 degrees C as-received basis.					

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti	me	Analyst	Dilution Factor
01638	TPH-GRO soil C6-C10	SW-846 8015B modified	1	12107A31A	04/18/2012	08:00	Laura M Krieger	913.24
08179	BTEX by 8021	SW-846 8021B	1	12104A31B	04/16/2012	22:55	Carrie E Miller	182.65
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201210427357	04/12/2012	23:34	Scott W Freisher	n.a.
08270	TPH-DRO soil C10-C28	SW-846 8015B	1	121070031A	04/24/2012	20:53	Glorines Suarez- Rivera	100
07004	Extraction - DRO (Soils)	SW-846 3550B	1	121070031A	04/17/2012	08:40	Kerrie A Freeburn	1
07333	Chloride by IC (solid)	EPA 300.0	1	12108108201A	04/21/2012	14:47	Christopher D Meeks	1000
01352	Deionized Water Extraction	EPA 300.0	1	12108108201A	04/17/2012	08:00	Nancy J Shoop	1
00111	Moisture	SM20 2540 G	1	12104820002B	04/13/2012	09:36	Scott W Freisher	1



2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 •717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Sample Description: SB-2 15' Grab Soil

Chevron Pardue Farms Eddy County, NM

LLI Sample # SW 6614483 LLI Group # 1301809

Account

11713

Project Name: Chevron Pardue Farms Eddy County, NM

Collected: 04/09/2012 13:30 by TL Conestoga-Rovers & Associates

6320 Rothway, Suite 100

Houston TX 77040

Reported: 04/25/2012 14:53

Submitted: 04/12/2012 10:20

PF215

CAT No.	Analysis Name		CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC Vol	latiles	SW-846	8015B modified	mg/kg	mg/kg	
01638	TPH-GRO soil C6-C10		n.a.	1.1 J	1.1	24.25
GC Vol	latiles	SW-846	8021B	mg/kg	mg/kg	
08179	Benzene		71-43-2	N.D.	0.0054	24.25
08179	Ethylbenzene		100-41-4	N.D.	0.0054	24.25
08179	Toluene		108-88-3	N.D.	0.0054	24.25
08179	Total Xylenes		1330-20-7	N.D.	0.016	24.25
GC Pet	roleum	SW-846	8015B	mg/kg	mg/kg	
Hydrod	arbons					
08270	TPH-DRO soil C10-C28	3	n.a.	140	13	1
Wet Ch	nemistry	EPA 300	0.0	mg/kg	mg/kg	
07333	Chloride by IC (sol:	id)	16887-00-6	16,200	11,100	1000
Wet Ch	nemistry	SM20 25	540 G	%	%	
00111	Moisture		n.a.	9.9	0.50	1
	"Moisture" represent 103 - 105 degrees Co as-received basis.					

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti	.me	Analyst	Dilution Factor
01638	TPH-GRO soil C6-C10	SW-846 8015B modified	1	12104A31A	04/14/2012	13:32	Laura M Krieger	24.25
08179	BTEX by 8021	SW-846 8021B	1	12104A31A	04/14/2012	13:32	Laura M Krieger	24.25
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201210427357	04/12/2012	23:36	Scott W Freisher	n.a.
08270	TPH-DRO soil C10-C28	SW-846 8015B	1	121070031A	04/24/2012	02:56	Glorines Suarez- Rivera	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	121070031A	04/17/2012	08:40	Kerrie A Freeburn	1
07333	Chloride by IC (solid)	EPA 300.0	1	12108108201A	04/21/2012	16:03	Christopher D Meeks	1000
01352	Deionized Water Extraction	EPA 300.0	1	12108108201A	04/17/2012	08:00	Nancy J Shoop	1
00111	Moisture	SM20 2540 G	1	12104820002B	04/13/2012	09:36	Scott W Freisher	1



2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 •717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Sample Description: SB-2 25' Grab Soil

Chevron Pardue Farms Eddy County, NM

LLI Sample # SW 6614484 LLI Group # 1301809 Account # 11713

Project Name: Chevron Pardue Farms Eddy County, NM

Collected: 04/09/2012 13:35 by TL Conestoga-Rovers & Associates

6320 Rothway, Suite 100

Houston TX 77040

Submitted: 04/12/2012 10:20 Reported: 04/25/2012 14:53

PF225

CAT No.	Analysis Name		CAS Number	Dry Result		Dry Limit of Quantitation	Dilution Factor
GC Vol	latiles	SW-846 8	3015B modified	mg/kg		mg/kg	
01638	TPH-GRO soil C6-C10		n.a.	1.0	J	1.1	23.79
GC Vol	latiles	SW-846 8	3021B	mg/kg		mg/kg	
08179	Benzene		71-43-2	N.D.		0.0054	23.79
08179	Ethylbenzene		100-41-4	N.D.		0.0054	23.79
08179	Toluene		108-88-3	N.D.		0.0054	23.79
08179	Total Xylenes		1330-20-7	N.D.		0.016	23.79
	croleum	SW-846 8	3015B	mg/kg		mg/kg	
-	carbons						
08270	TPH-DRO soil C10-C2	3	n.a.	260		14	1
Wet Ch	nemistry	EPA 300.	. 0	mg/kg		mg/kg	
07333	Chloride by IC (sol	id)	16887-00-6	4,650		2,830	250
Wet Ch	nemistry	SM20 254	10 G	%		8	
00111	Moisture		n.a.	11.6		0.50	1
	"Moisture" represent 103 - 105 degrees Co as-received basis.				after oven drying a d above is on an	at .	

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti		Analyst	Dilution Factor
01638	TPH-GRO soil C6-C10	SW-846 8015B modified	1	12104A31A	04/14/2012	14:08	Laura M Krieger	23.79
08179	BTEX by 8021	SW-846 8021B	1	12104A31A	04/14/2012	14:08	Laura M Krieger	23.79
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201210427357	04/12/2012	23:38	Scott W Freisher	n.a.
08270	TPH-DRO soil C10-C28	SW-846 8015B	1	121070031A	04/24/2012	03:18	Glorines Suarez- Rivera	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	121070031A	04/17/2012	08:40	Kerrie A Freeburn	1
07333	Chloride by IC (solid)	EPA 300.0	2	12108108201A	04/24/2012	11:37	Christopher D Meeks	250
01352	Deionized Water Extraction	EPA 300.0	1	12108108201A	04/17/2012	08:00	Nancy J Shoop	1
00111	Moisture	SM20 2540 G	1	12104820002B	04/13/2012	09:36	Scott W Freisher	1



2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 •717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Sample Description: SB-3 5' Grab Soil

Chevron Pardue Farms Eddy County, NM

LLI Sample # SW 6614485 LLI Group # 1301809 Account # 11713

Project Name: Chevron Pardue Farms Eddy County, NM

Collected: 04/09/2012 13:55 by TL Conestoga-Rovers & Associates

6320 Rothway, Suite 100

Houston TX 77040

Submitted: 04/12/2012 10:20 Reported: 04/25/2012 14:53

PF35-

CAT No.	Analysis Name		CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC Vol	latiles	SW-846	8015B modified	mg/kg	mg/kg	
01638	TPH-GRO soil C6-C10		n.a.	230	10	236.07
GC Vol	latiles	SW-846	8021B	mg/kg	mg/kg	
08179	Benzene		71-43-2	N.D.	0.021	94.43
08179	Ethylbenzene		100-41-4	0.81	0.021	94.43
08179	Toluene		108-88-3	0.36	0.021	94.43
08179	Total Xylenes		1330-20-7	5.1	0.062	94.43
Repo	rting limits were ra	sed due to	o interference fro	m the sample mat	rix.	
GC Pet	roleum	SW-846	8015B	mg/kg	mg/kg	
Hydrod	carbons					
08270	TPH-DRO soil C10-C2	8	n.a.	3,700	330	25
Wet Ch	nemistry	EPA 300	.0	mg/kg	mg/kg	
	Chloride by IC (sol		16887-00-6	16,300	10,900	1000
Wet Ch	nemistry	SM20 25	40 G	%	8	
00111	Moisture		n.a.	9.3	0.50	1
	"Moisture" represen 103 - 105 degrees C as-received basis.					

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution
No.					Date and Ti	me		Factor
01638	TPH-GRO soil C6-C10	SW-846 8015B modified	1	12104A31B	04/16/2012	18:36	Carrie E Miller	236.07
08179	BTEX by 8021	SW-846 8021B	1	12104A31B	04/16/2012	23:31	Carrie E Miller	94.43
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201210427357	04/12/2012	23:41	Scott W Freisher	n.a.
08270	TPH-DRO soil C10-C28	SW-846 8015B	1	121070031A	04/24/2012	20:32	Glorines Suarez- Rivera	25
07004	Extraction - DRO (Soils)	SW-846 3550B	1	121070031A	04/17/2012	08:40	Kerrie A Freeburn	1
07333	Chloride by IC (solid)	EPA 300.0	1	12108108201A	04/21/2012	16:33	Christopher D Meeks	1000
01352	Deionized Water Extraction	EPA 300.0	1	12108108201A	04/17/2012	08:00	Nancy J Shoop	1
00111	Moisture	SM20 2540 G	1	12104820002B	04/13/2012	09:36	Scott W Freisher	1



2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 •717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 2

Sample Description: SB-3 10' Grab Soil

Chevron Pardue Farms Eddy County, NM

LLI Sample # SW 6614486 LLI Group # 1301809

Account # 11713

Project Name: Chevron Pardue Farms Eddy County, NM

Collected: 04/09/2012 14:00 by TL Conestoga-Rovers & Associates

6320 Rothway, Suite 100

Houston TX 77040

Submitted: 04/12/2012 10:20 Reported: 04/25/2012 14:53

PF310

CAT No.	Analysis Name		CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC Vol	latiles	SW-846	8015B modified	mg/kg	mg/kg	
01638	TPH-GRO soil C6-C10		n.a.	8.4	1.1	25.48
GC Vol	latiles	SW-846	8021B	mg/kg	mg/kg	
08179	Benzene		71-43-2	0.0030 J	0.0055	25.48
08179	Ethylbenzene		100-41-4	0.0092	0.0055	25.48
08179	Toluene		108-88-3	N.D.	0.0055	25.48
08179	Total Xylenes		1330-20-7	0.079	0.017	25.48
GC Pet	roleum	SW-846	8015B	mg/kg	mg/kg	
Hydrod	arbons					
08270	TPH-DRO soil C10-C2	3	n.a.	700	64	5
Wet Ch	nemistry	EPA 300	.0	mg/kg	mg/kg	
07333	Chloride by IC (sol	id)	16887-00-6	13,900	10,800	1000
Wet Ch	nemistry	SM20 25	40 G	8	%	
00111	Moisture		n.a.	7.5	0.50	1
	"Moisture" represent 103 - 105 degrees Co as-received basis.					

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Tim	ıe	Analyst	Dilution Factor
01638	TPH-GRO soil C6-C10	SW-846 8015B modified	1	12104A31A	04/14/2012	14:44	Marie D John	25.48
08179	BTEX by 8021	SW-846 8021B	1	12104A31A	04/14/2012	14:44	Marie D John	25.48
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201210427357	04/12/2012	23:44	Scott W Freisher	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	2	201210427357	04/12/2012	23:43	Scott W Freisher	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	3	201210427357	04/12/2012	23:45	Scott W Freisher	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	4	201210427357	04/12/2012	23:46	Scott W Freisher	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	5	201210427357	04/12/2012	23:47	Scott W Freisher	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	6	201210427357	04/12/2012	23:48	Scott W Freisher	n.a.
08270	TPH-DRO soil C10-C28	SW-846 8015B	1	121070031A	04/24/2012	19:50	Glorines Suarez- Rivera	5



2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 •717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 2 of 2

Sample Description: SB-3 10' Grab Soil

Chevron Pardue Farms Eddy County, NM

LLI Sample # SW 6614486 LLI Group # 1301809

Account

ccount # 11713

Project Name: Chevron Pardue Farms Eddy County, NM

Collected: 04/09/2012 14:00 by TL Conestoga-Rovers & Associates

6320 Rothway, Suite 100

Houston TX 77040

Submitted: 04/12/2012 10:20 Reported: 04/25/2012 14:53

PF310

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Tir	me	Analyst	Dilution Factor
07004	Extraction - DRO (Soils)	SW-846 3550B	1	121070031A	04/17/2012	08:40	Kerrie A Freeburn	1
07333	Chloride by IC (solid)	EPA 300.0	1	12108108201A	04/21/2012	16:48	Christopher D Meeks	1000
01352	Deionized Water Extraction	EPA 300.0	1	12108108201A	04/17/2012	08:00	Nancy J Shoop	1
00111	Moisture	SM20 2540 G	1	12104820002B	04/13/2012	09:36	Scott W Freisher	1



2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 •717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Sample Description: SB-3 20' Grab Soil

Chevron Pardue Farms Eddy County, NM

LLI Sample # SW 6614487 LLI Group # 1301809

Account # 11713

Project Name: Chevron Pardue Farms Eddy County, NM

Collected: 04/09/2012 14:10 by TL Conestoga-Rovers & Associates

6320 Rothway, Suite 100

Houston TX 77040

Submitted: 04/12/2012 10:20 Reported: 04/25/2012 14:53

320PF

CAT No.	Analysis Name		CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC Vol	latiles	SW-846	8015B modified	mg/kg	mg/kg	
01638	TPH-GRO soil C6-C10		n.a.	0.5 J	1.1	25.48
GC Vol	latiles	SW-846	8021B	mg/kg	mg/kg	
08179	Benzene		71-43-2	N.D.	0.0057	25.48
08179	Ethylbenzene		100-41-4	N.D.	0.0057	25.48
08179	Toluene		108-88-3	N.D.	0.0057	25.48
08179	Total Xylenes		1330-20-7	N.D.	0.017	25.48
GC Pet	roleum	SW-846	8015B	mg/kg	mg/kg	
Hydrod	carbons					
08270	TPH-DRO soil C10-C2	8	n.a.	290	13	1
Wet Ch	nemistry	EPA 300	0.0	mg/kg	mg/kg	
07333	Chloride by IC (sol	id)	16887-00-6	3,040	2,800	250
Wet Ch	nemistry	SM20 25	340 G	%	8	
00111	Moisture		n.a.	10.7	0.50	1
				sample after oven dryi reported above is on ar		

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory	Sample	Analysis	Record
------------	--------	----------	--------

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti		Analyst	Dilution Factor
01638	TPH-GRO soil C6-C10	SW-846 8015B modified	1	12104A31A	04/14/2012	17:44	Laura M Krieger	25.48
08179	BTEX by 8021	SW-846 8021B	1	12104A31A	04/14/2012	17:44	Laura M Krieger	25.48
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201210427357	04/12/2012	23:50	Scott W Freisher	n.a.
08270	TPH-DRO soil C10-C28	SW-846 8015B	1	121070031A	04/24/2012	03:40	Glorines Suarez- Rivera	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	121070031A	04/17/2012	08:40	Kerrie A Freeburn	1
07333	Chloride by IC (solid)	EPA 300.0	2	12108108201A	04/22/2012	11:16	Christopher D Meeks	250
01352	Deionized Water Extraction	EPA 300.0	1	12108108201A	04/17/2012	08:00	Nancy J Shoop	1
00111	Moisture	SM20 2540 G	1	12104820002B	04/13/2012	09:36	Scott W Freisher	1



2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 •717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Sample Description: SB-1 5' Grab Soil

Chevron Pardue Farms Eddy County, NM

LLI Sample # SW 6614488 LLI Group # 1301809 Account # 11713

Project Name: Chevron Pardue Farms Eddy County, NM

Collected: 04/09/2012 14:35 by TL Conestoga-Rovers & Associates

6320 Rothway, Suite 100

Houston TX 77040

Submitted: 04/12/2012 10:20 Reported: 04/25/2012 14:53

PF15-

CAT No.	Analysis Name		CAS Number	Dry Result	Limit of Quantitation	Dilution Factor
GC Vol	atiles	SW-846	8015B modified	mg/kg	mg/kg	
01638	TPH-GRO soil C6-C10		n.a.	170	10	232.13
GC Vol	atiles	SW-846	8021B	mg/kg	mg/kg	
08179	Benzene		71-43-2	N.D.	0.020	92.85
08179	Ethylbenzene		100-41-4	0.62	0.020	92.85
08179	Toluene		108-88-3	0.33	0.020	92.85
08179	Total Xylenes		1330-20-7	3.9	0.061	92.85
Repor	rting limits were rai	sed due t	o interference from	n the sample ma	atrix.	
GC Pet	roleum	SW-846	8015B	mg/kg	mg/kg	
Hydrod	arbons					
08270	TPH-DRO soil C10-C2	3	n.a.	2,400	320	25
Wet Ch	nemistry	EPA 300	0.0	mg/kg	mg/kg	
07333	Chloride by IC (sol	id)	16887-00-6	17,100	10,900	1000
Wet Ch	nemistry	SM20 25	340 G	%	%	
00111	Moisture		n.a.	8.4	0.50	1
	"Moisture" represent 103 - 105 degrees Coas-received basis.					

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory	Sample	Analy	/sis	Record
Habor accry	Danipre	AHGE 1	, 5 + 5	Kecorc

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti	me	Analyst	Dilution Factor
01638	TPH-GRO soil C6-C10	SW-846 8015B modified	1	12104A31B	04/16/2012	19:12	Carrie E Miller	232.13
08179	BTEX by 8021	SW-846 8021B	1	12104A31B	04/17/2012	00:07	Carrie E Miller	92.85
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201210427357	04/12/2012	23:52	Scott W Freisher	n.a.
08270	TPH-DRO soil C10-C28	SW-846 8015B	1	121070031A	04/24/2012	20:11	Glorines Suarez- Rivera	25
07004	Extraction - DRO (Soils)	SW-846 3550B	1	121070031A	04/17/2012	08:40	Kerrie A Freeburn	1
07333	Chloride by IC (solid)	EPA 300.0	1	12108108201A	04/21/2012	17:19	Christopher D Meeks	1000
01352	Deionized Water Extraction	EPA 300.0	1	12108108201A	04/17/2012	08:00	Nancy J Shoop	1
00111	Moisture	SM20 2540 G	1	12104820002B	04/13/2012	09:36	Scott W Freisher	1



2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 •717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Sample Description: SB-1 15' Grab Soil

Chevron Pardue Farms Eddy County, NM

LLI Group # 1301809 Account # 11713

LLI Sample # SW 6614489

Project Name: Chevron Pardue Farms Eddy County, NM

Collected: 04/09/2012 14:45 by TL Conestoga-Rovers & Associates

6320 Rothway, Suite 100

Houston TX 77040

Submitted: 04/12/2012 10:20 Reported: 04/25/2012 14:53

PF115

CAT No.	Analysis Name		C	AS Number	Dry Result		Dry Limit of Quantitation	Dilution Factor
GC Vol	latiles	SW-846	80151	B modified	mg/kg		mg/kg	
01638	TPH-GRO soil C6-C10		n	.a.	0.6	J	1.1	23.39
GC Vol	latiles	SW-846	8021	В	mg/kg		mg/kg	
08179	Benzene		7	1-43-2	N.D.		0.0053	23.39
08179	Ethylbenzene		1	00-41-4	N.D.		0.0053	23.39
08179	Toluene		1	08-88-3	N.D.		0.0053	23.39
08179	Total Xylenes		1	330-20-7	N.D.		0.016	23.39
	roleum carbons	SW-846	80151	В	mg/kg		mg/kg	
08270	TPH-DRO soil C10-C2	8	n	.a.	300		13	1
Wet Ch	nemistry	EPA 30	0.0		mg/kg		mg/kg	
07333	Chloride by IC (sol	id)	1	6887-00-6	4,060		2,820	250
Wet Ch	nemistry	SM20 2	540 G		%		8	
00111	Moisture		n	.a.	11.2		0.50	1
	"Moisture" represen 103 - 105 degrees Co as-received basis.					after oven drying a d above is on an	t	

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti		Analyst	Dilution Factor
01638	TPH-GRO soil C6-C10	SW-846 8015B modified	1	12104A31A	04/14/2012	18:20	Laura M Krieger	23.39
08179	BTEX by 8021	SW-846 8021B	1	12104A31A	04/14/2012	18:20	Laura M Krieger	23.39
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201210427357	04/12/2012	23:53	Scott W Freisher	n.a.
08270	TPH-DRO soil C10-C28	SW-846 8015B	1	121070031A	04/24/2012	04:02	Glorines Suarez- Rivera	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	121070031A	04/17/2012	08:40	Kerrie A Freeburn	1
07333	Chloride by IC (solid)	EPA 300.0	2	12108108201A	04/22/2012	11:31	Christopher D Meeks	250
01352	Deionized Water Extraction	EPA 300.0	1	12108108201A	04/17/2012	08:00	Nancy J Shoop	1
00111	Moisture	SM20 2540 G	1	12104820002B	04/13/2012	09:36	Scott W Freisher	1



2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 •717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Sample Description: SB-1 25' Grab Soil

Chevron Pardue Farms Eddy County, NM

LLI Sample # SW 6614490 LLI Group # 1301809

Account # 11713

Project Name: Chevron Pardue Farms Eddy County, NM

Collected: 04/09/2012 14:55 by TL Conestoga-Rovers & Associates

6320 Rothway, Suite 100

Houston TX 77040

Submitted: 04/12/2012 10:20 Reported: 04/25/2012 14:53

PF125

CAT No.	Analysis Name		CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC Vol	latiles	SW-846	8015B modified	mg/kg	mg/kg	
01638	TPH-GRO soil C6-C10		n.a.	2.2	1.1	23.52
GC Vol	latiles	SW-846	8021B	mg/kg	mg/kg	
08179	Benzene		71-43-2	N.D.	0.0054	23.52
08179	Ethylbenzene		100-41-4	0.0040 J	0.0054	23.52
08179	Toluene		108-88-3	N.D.	0.0054	23.52
08179	Total Xylenes		1330-20-7	0.028	0.016	23.52
	croleum carbons	SW-846	8015B	mg/kg	mg/kg	
08270	TPH-DRO soil C10-C2	8	n.a.	290	14	1
Wet Ch	nemistry	EPA 300	0.0	mg/kg	mg/kg	
07333	Chloride by IC (sol	id)	16887-00-6	1,400	1,140	100
Wet Ch	nemistry	SM20 25	540 G	%	%	
00111	Moisture		n.a.	13.0	0.50	1
	"Moisture" represent 103 - 105 degrees Coas-received basis.					

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti		Analyst	Dilution Factor
01638	TPH-GRO soil C6-C10	SW-846 8015B modified	1	12104A31A	04/14/2012	20:08	Laura M Krieger	23.52
08179	BTEX by 8021	SW-846 8021B	1	12104A31A	04/14/2012	20:08	Laura M Krieger	23.52
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201210427357	04/12/2012	23:55	Scott W Freisher	n.a.
08270	TPH-DRO soil C10-C28	SW-846 8015B	1	121070031A	04/24/2012	04:24	Glorines Suarez- Rivera	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	121070031A	04/17/2012	08:40	Kerrie A Freeburn	1
07333	Chloride by IC (solid)	EPA 300.0	3	12108108201A	04/24/2012	13:45	Christopher D Meeks	100
01352	Deionized Water Extraction	EPA 300.0	1	12108108201A	04/17/2012	08:00	Nancy J Shoop	1
00111	Moisture	SM20 2540 G	1	12104820002B	04/13/2012	09:36	Scott W Freisher	1



2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 •717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Sample Description: MW-3 5' Grab Soil

Chevron Pardue Farms Eddy County, NM

LLI Sample # SW 6614491 LLI Group # 1301809 Account # 11713

Project Name: Chevron Pardue Farms Eddy County, NM

Collected: 04/09/2012 15:15 by TL Conestoga-Rovers & Associates

6320 Rothway, Suite 100

Houston TX 77040

Submitted: 04/12/2012 10:20 Reported: 04/25/2012 14:53

PFM35

CAT No.	Analysis Name		CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC Vol	latiles	SW-846	8015B modified	mg/kg	mg/kg	
01638	TPH-GRO soil C6-C10		n.a.	N.D.	1.1	25.56
GC Vol	latiles	SW-846	8021B	mg/kg	mg/kg	
08179	Benzene		71-43-2	0.0023 J	0.0057	25.56
08179	Ethylbenzene		100-41-4	0.0029 J	0.0057	25.56
08179	Toluene		108-88-3	0.0023 J	0.0057	25.56
08179	Total Xylenes		1330-20-7	0.011 J	0.017	25.56
	roleum	SW-846	8015B	mg/kg	mg/kg	
-	carbons TPH-DRO soil C10-C2	8	n.a.	42	13	1
Wet Ch	nemistry	EPA 300	0.0	mg/kg	mg/kg	
07333	Chloride by IC (sol:	id)	16887-00-6	14,300	11,100	1000
Wet Ch	nemistry	SM20 25	540 G	%	%	
00111	Moisture		n.a.	9.7	0.50	1
	"Moisture" represent 103 - 105 degrees Co as-received basis.					

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti	me	Analyst	Dilution Factor
01638	TPH-GRO soil C6-C10	SW-846 8015B modified	1	12104A31A	04/14/2012	20:44	Laura M Krieger	25.56
08179	BTEX by 8021	SW-846 8021B	1	12104A31A	04/14/2012	20:44	Laura M Krieger	25.56
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201210427357	04/12/2012	23:58	Scott W Freisher	n.a.
08270	TPH-DRO soil C10-C28	SW-846 8015B	1	121070031A	04/24/2012	02:34	Glorines Suarez- Rivera	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	121070031A	04/17/2012	08:40	Kerrie A Freeburn	1
07333	Chloride by IC (solid)	EPA 300.0	1	12108108201A	04/21/2012	18:04	Christopher D Meeks	1000
01352	Deionized Water Extraction	EPA 300.0	1	12108108201A	04/17/2012	08:00	Nancy J Shoop	1
00111	Moisture	SM20 2540 G	1	12104820002B	04/13/2012	09:36	Scott W Freisher	1



2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 •717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Sample Description: MW-3 10' Grab Soil

Chevron Pardue Farms Eddy County, NM

LLI Sample # SW 6614492 LLI Group # 1301809

Account # 11713

Project Name: Chevron Pardue Farms Eddy County, NM

Collected: 04/09/2012 15:20 by TL Conestoga-Rovers & Associates

6320 Rothway, Suite 100

Houston TX 77040

Submitted: 04/12/2012 10:20 Reported: 04/25/2012 14:53

PFM30

CAT No.	Analysis Name		CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC Vol	atiles	SW-846	8015B modified	mg/kg	mg/kg	
01638	TPH-GRO soil C6-C10		n.a.	N.D.	1.1	24.46
GC Vol	atiles	SW-846	8021B	mg/kg	mg/kg	
08179	Benzene		71-43-2	N.D.	0.0054	24.46
08179	Ethylbenzene		100-41-4	N.D.	0.0054	24.46
08179	Toluene		108-88-3	N.D.	0.0054	24.46
08179	Total Xylenes		1330-20-7	N.D.	0.016	24.46
		SW-846	8015B	mg/kg	mg/kg	
-	earbons TPH-DRO soil C10-C28	3	n.a.	28	13	1
Wet Ch	nemistry	EPA 30	0.0	mg/kg	mg/kg	
07333	Chloride by IC (sol:	id)	16887-00-6	13,900	10,900	1000
Wet Ch	nemistry	SM20 2	540 G	%	%	
00111	Moisture		n.a.	9.5	0.50	1
	"Moisture" represent 103 - 105 degrees Co as-received basis.					

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti	me	Analyst	Dilution Factor
01638	TPH-GRO soil C6-C10	SW-846 8015B modified	1	12104A31A	04/14/2012	21:20	Laura M Krieger	24.46
08179	BTEX by 8021	SW-846 8021B	1	12104A31A	04/14/2012	21:20	Laura M Krieger	24.46
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201210427357	04/13/2012	00:01	Scott W Freisher	n.a.
08270	TPH-DRO soil C10-C28	SW-846 8015B	1	121070031A	04/24/2012	02:12	Glorines Suarez- Rivera	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	121070031A	04/17/2012	08:40	Kerrie A Freeburn	1
07333	Chloride by IC (solid)	EPA 300.0	1	12108108201B	04/21/2012	18:19	Christopher D Meeks	1000
01352	Deionized Water Extraction	EPA 300.0	1	12108108201B	04/17/2012	08:00	Nancy J Shoop	1
00111	Moisture	SM20 2540 G	1	12104820002B	04/13/2012	09:36	Scott W Freisher	1



2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 •717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Sample Description: MW-3 15' Grab Soil

Chevron Pardue Farms Eddy County, NM

LLI Sample # SW 6614493 LLI Group # 1301809

Account # 11713

Project Name: Chevron Pardue Farms Eddy County, NM

Collected: 04/09/2012 15:25 by TL Conestoga-Rovers & Associates

6320 Rothway, Suite 100

Houston TX 77040

Submitted: 04/12/2012 10:20 Reported: 04/25/2012 14:53

PFM31

CAT No.	Analysis Name		CAS Nu	mber	Dry Result	Dry Limit of Quantitation	Dilution Factor	
GC Vol	atiles	SW-846	8015B mod	dified	mg/kg	mg/kg		
01638	TPH-GRO soil C6-C10		n.a.		N.D.	1.1	23.67	
GC Vol	atiles	SW-846	8021B	:	mg/kg	mg/kg		
08179	Benzene		71-43-2	2	N.D.	0.0054	23.67	
08179	Ethylbenzene		100-41	-4	N.D.	0.0054	23.67	
08179	Toluene		108-88	-3	N.D.	0.0054	23.67	
08179	Total Xylenes		1330-20	0 - 7	N.D.	0.016	23.67	
GC Pet	roleum	SW-846	8015B	:	mg/kg	mg/kg		
Hydrod	arbons							
08270	TPH-DRO soil C10-C28	8	n.a.		N.D.	14	1	
Wet Ch	nemistry	EPA 30	0.0	:	mg/kg	mg/kg		
07333	Chloride by IC (sol:	id)	16887-	00-6	2,430	1,130	100	
Wet Ch	nemistry	SM20 2	540 G		%	%		
00111	Moisture		n.a.		11.9	0.50	1	
	"Moisture" represent 103 - 105 degrees Co as-received basis.					t		

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti	me	Analyst	Dilution Factor
01638	TPH-GRO soil C6-C10	SW-846 8015B modified	1	12104A31A	04/14/2012	21:56	Laura M Krieger	23.67
08179	BTEX by 8021	SW-846 8021B	1	12104A31A	04/14/2012	21:56	Laura M Krieger	23.67
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201210427357	04/13/2012	00:04	Scott W Freisher	n.a.
08270	TPH-DRO soil C10-C28	SW-846 8015B	2	121070031A	04/24/2012	01:28	Tracy A Cole	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	121070031A	04/17/2012	08:40	Kerrie A Freeburn	1
07333	Chloride by IC (solid)	EPA 300.0	3	12108108201A	04/24/2012	14:01	Christopher D Meeks	100
01352	Deionized Water Extraction	EPA 300.0	1	12108108201B	04/17/2012	08:00	Nancy J Shoop	1
00111	Moisture	SM20 2540 G	1	12104820002B	04/13/2012	09:36	Scott W Freisher	1



2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 •717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Sample Description: MW-1 5' Grab Soil

Chevron Pardue Farms Eddy County, NM

LLI Sample # SW 6614494 LLI Group # 1301809 Account # 11713

Project Name: Chevron Pardue Farms Eddy County, NM

Collected: 04/10/2012 10:05 by TL Conestoga-Rovers & Associates

6320 Rothway, Suite 100

Houston TX 77040

Submitted: 04/12/2012 10:20 Reported: 04/25/2012 14:53

PFM15

CAT No.	Analysis Name		CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC Vol	atiles	SW-846	8015B modified	mg/kg	mg/kg	
01638	TPH-GRO soil C6-C10		n.a.	N.D.	1.0	24.18
GC Vol	atiles	SW-846	8021B	mg/kg	mg/kg	
08179	Benzene		71-43-2	N.D.	0.0052	24.18
08179	Ethylbenzene		100-41-4	N.D.	0.0052	24.18
08179	Toluene		108-88-3	N.D.	0.0052	24.18
08179	Total Xylenes		1330-20-7	N.D.	0.016	24.18
		SW-846	8015B	mg/kg	mg/kg	
Hydroc	arbons					
08270	TPH-DRO soil C10-C28	3	n.a.	16	13	1
Wet Ch	nemistry	EPA 30	0.0	mg/kg	mg/kg	
07333	Chloride by IC (sol:	id)	16887-00-6	1,480	532	50
Wet Ch	nemistry	SM20 2	540 G	%	%	
00111	Moisture		n.a.	6.4	0.50	1
	"Moisture" represent 103 - 105 degrees Co as-received basis.					

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti	.me	Analyst	Dilution Factor
01638	TPH-GRO soil C6-C10	SW-846 8015B modified	1	12104A31A	04/14/2012	22:32	Laura M Krieger	24.18
08179	BTEX by 8021	SW-846 8021B	1	12104A31A	04/14/2012	22:32	Laura M Krieger	24.18
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201210427357	04/13/2012	00:06	Scott W Freisher	n.a.
08270	TPH-DRO soil C10-C28	SW-846 8015B	1	121070031A	04/24/2012	01:50	Glorines Suarez- Rivera	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	121070031A	04/17/2012	08:40	Kerrie A Freeburn	1
07333	Chloride by IC (solid)	EPA 300.0	2	12108108201B	04/24/2012	10:00	Christopher D Meeks	50
01352	Deionized Water Extraction	EPA 300.0	1	12108108201B	04/17/2012	08:00	Nancy J Shoop	1
00111	Moisture	SM20 2540 G	1	12104820002B	04/13/2012	09:36	Scott W Freisher	1



2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 •717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Sample Description: MW-1 10' Grab Soil

Chevron Pardue Farms Eddy County, NM

LLI Sample # SW 6614495 LLI Group # 1301809

Account

11713

Project Name: Chevron Pardue Farms Eddy County, NM

Collected: 04/10/2012 10:10 by TL Conestoga-Rovers & Associates

6320 Rothway, Suite 100

Houston TX 77040

Submitted: 04/12/2012 10:20 Reported: 04/25/2012 14:53

PFM10

CAT No.	Analysis Name		CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC Vol	latiles	SW-846	8015B modified	mg/kg	mg/kg	
01638	TPH-GRO soil C6-C10		n.a.	N.D.	1.1	26.21
GC Vol	latiles	SW-846	8021B	mg/kg	mg/kg	
08179	Benzene		71-43-2	N.D.	0.0057	26.21
08179	Ethylbenzene		100-41-4	N.D.	0.0057	26.21
08179	Toluene		108-88-3	N.D.	0.0057	26.21
08179	Total Xylenes		1330-20-7	N.D.	0.017	26.21
	croleum carbons	SW-846	8015B	mg/kg	mg/kg	
-	TPH-DRO soil C10-C2	8	n.a.	N.D.	13	1
Wet Ch	nemistry	EPA 300	0.0	mg/kg	mg/kg	
07333	Chloride by IC (sol:	id)	16887-00-6	1,760	542	50
Wet Ch	nemistry	SM20 2	540 G	%	%	
00111	Moisture		n.a.	7.7	0.50	1
	"Moisture" represent 103 - 105 degrees Co as-received basis.					

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti		Analyst	Dilution Factor
NO.								Factor
01638	TPH-GRO soil C6-C10	SW-846 8015B modified	1	12104A31A	04/14/2012	23:08	Laura M Krieger	26.21
00170	DEEDY 1 0001		-	101047217	04/14/0010	00 00	Tarres M. Ward a server	06 01
08179	BTEX by 8021	SW-846 8021B	1	12104A31A	04/14/2012	23:08	Laura M Krieger	26.21
01150	GC - Bulk Soil Prep	SW-846 5035A	1	201210427357	04/13/2012	00:08	Scott W Freisher	n.a.
		Modified						
08270	TPH-DRO soil C10-C28	SW-846 8015B	2	121070031A	04/24/2012	00:22	Tracy A Cole	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	121070031A	04/17/2012	08:40	Kerrie A Freeburn	1
07333	Chloride by IC (solid)	EPA 300.0	2	12108108201B	04/24/2012	10:15	Christopher D Meeks	50
01352	Deionized Water Extraction	EPA 300.0	1	12108108201B	04/17/2012	08:00	Nancy J Shoop	1
00111	Moisture	SM20 2540 G	1	12104820002B	04/13/2012	09:36	Scott W Freisher	1



2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 •717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Sample Description: MW-2 15' Grab Soil

Chevron Pardue Farms Eddy County, NM

LLI Sample # SW 6614496 LLI Group # 1301809

Account # 11713

Project Name: Chevron Pardue Farms Eddy County, NM

Collected: 04/10/2012 14:00 by TL Conestoga-Rovers & Associates

6320 Rothway, Suite 100

Houston TX 77040

Submitted: 04/12/2012 10:20 Reported: 04/25/2012 14:53

PFM21

CAT No.	Analysis Name		CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC Vol	latiles	SW-846	8015B modified	mg/kg	mg/kg	
01638	TPH-GRO soil C6-C10		n.a.	N.D.	1.0	23.21
GC Vol	latiles	SW-846	8021B	mg/kg	mg/kg	
08179	Benzene		71-43-2	N.D.	0.0051	23.21
08179	Ethylbenzene		100-41-4	N.D.	0.0051	23.21
08179	Toluene		108-88-3	N.D.	0.0051	23.21
08179	Total Xylenes		1330-20-7	N.D.	0.015	23.21
	croleum	SW-846	8015B	mg/kg	mg/kg	
-	carbons TPH-DRO soil C10-C2	3	n.a.	N.D.	13	1
Wet Ch	nemistry	EPA 30	0.0	mg/kg	mg/kg	
07333	Chloride by IC (sol:	id)	16887-00-6	1,520	1,090	100
Wet Ch	nemistry	SM20 2	540 G	%	%	
00111	Moisture		n.a.	9.2	0.50	1
	"Moisture" represent 103 - 105 degrees Co as-received basis.					

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution
No.					Date and Ti	.me		Factor
01638	TPH-GRO soil C6-C10	SW-846 8015B modified	1	12104A31A	04/14/2012	23:44	Laura M Krieger	23.21
08179	BTEX by 8021	SW-846 8021B	1	12104A31A	04/14/2012	23:44	Laura M Krieger	23.21
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201210427357	04/13/2012	00:11	Scott W Freisher	n.a.
08270	TPH-DRO soil C10-C28	SW-846 8015B	2	121070031A	04/24/2012	00:44	Tracy A Cole	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	121070031A	04/17/2012	08:40	Kerrie A Freeburn	1
07333	Chloride by IC (solid)	EPA 300.0	2	12108108201B	04/24/2012	10:31	Christopher D Meeks	100
01352	Deionized Water Extraction	EPA 300.0	1	12108108201B	04/17/2012	08:00	Nancy J Shoop	1
00111	Moisture	SM20 2540 G	1	12104820002B	04/13/2012	09:36	Scott W Freisher	1



2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 •717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Sample Description: MW-2 20' Grab Soil

Chevron Pardue Farms Eddy County, NM

LLI Sample # SW 6614497 LLI Group # 1301809

Account # 11713

Project Name: Chevron Pardue Farms Eddy County, NM

Collected: 04/10/2012 14:05 by TL Conestoga-Rovers & Associates

6320 Rothway, Suite 100

Houston TX 77040

Submitted: 04/12/2012 10:20 Reported: 04/25/2012 14:53

PFM22

CAT No.	Analysis Name		CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC Vol	latiles	SW-846	8015B modified	mg/kg	mg/kg	
01638	TPH-GRO soil C6-C10		n.a.	N.D.	1.1	25.25
GC Vol	latiles	SW-846	8021B	mg/kg	mg/kg	
08179	Benzene		71-43-2	N.D.	0.0057	25.25
08179	Ethylbenzene		100-41-4	N.D.	0.0057	25.25
08179	Toluene		108-88-3	N.D.	0.0057	25.25
08179	Total Xylenes		1330-20-7	N.D.	0.017	25.25
	roleum carbons	SW-846	8015B	mg/kg	mg/kg	
-	TPH-DRO soil C10-C28	3	n.a.	N.D.	13	1
Wet Ch	nemistry	EPA 300	0.0	mg/kg	mg/kg	
07333	Chloride by IC (sol:	id)	16887-00-6	689	556	50
Wet Ch	nemistry	SM20 25	540 G	%	%	
00111	Moisture		n.a.	11.1	0.50	1
	"Moisture" represent 103 - 105 degrees Co as-received basis.					

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution
No.					Date and Ti	me		Factor
01638	TPH-GRO soil C6-C10	SW-846 8015B modified	1	12104A31A	04/15/2012	00:20	Laura M Krieger	25.25
08179	BTEX by 8021	SW-846 8021B	1	12104A31A	04/15/2012	00:20	Laura M Krieger	25.25
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201210427357	04/13/2012	00:13	Scott W Freisher	n.a.
08270	TPH-DRO soil C10-C28	SW-846 8015B	2	121070031A	04/24/2012	01:06	Tracy A Cole	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	121070031A	04/17/2012	08:40	Kerrie A Freeburn	1
07333	Chloride by IC (solid)	EPA 300.0	3	12108108201B	04/25/2012	04:09	Christopher D Meeks	50
01352	Deionized Water Extraction	EPA 300.0	1	12108108201B	04/17/2012	08:00	Nancy J Shoop	1
00111	Moisture	SM20 2540 G	1	12104820002B	04/13/2012	09:36	Scott W Freisher	1



2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 •717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Sample Description: Trip Blank Water

Chevron Pardue Farms Eddy County, NM

LLI Group # 1301809

LLI Sample # WW 6614498

Account

11713

Project Name: Chevron Pardue Farms Eddy County, NM

Collected: 04/09/2012 Conestoga-Rovers & Associates

6320 Rothway, Suite 100

Houston TX 77040

Submitted: 04/12/2012 10:20 Reported: 04/25/2012 14:53

PFTB-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC Vo	latiles	SW-846 8021B	mg/l	mg/l	
02102	Benzene	71-43-2	N.D.	0.0010	1
02102	Ethylbenzene	100-41-4	N.D.	0.0010	1
02102	Toluene	108-88-3	N.D.	0.0010	1
02102	Total Xylenes	1330-20-7	N.D.	0.0030	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02102	Method 8021 Water Master	SW-846 8021B	1	12104A94A	04/16/2012 15:21	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	12104A94A	04/16/2012 15:21	Catherine J Schwarz	1



2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 •717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Sample Description: MW-1 Grab Water

Chevron Pardue Farms Eddy County, NM

LLI Sample # WW 6614499 LLI Group # 1301809 Account # 11713

Project Name: Chevron Pardue Farms Eddy County, NM

Collected: 04/11/2012 09:00 by TL Conestoga-Rovers & Associates

6320 Rothway, Suite 100

Houston TX 77040

Submitted: 04/12/2012 10:20 Reported: 04/25/2012 14:53

PFMW1

CAT No.	Analysis Name		CAS Number	As Rec Result		As Received Limit of Quantitation	Dilution Factor
GC Vol	latiles	SW-846	8015B modified	ug/l		ug/l	
01636	TPH-GRO water C6-C1	0	n.a.	N.D.		50	1
GC Vol	latiles	SW-846	8021B	mg/l		mg/l	
02102	Benzene		71-43-2	N.D.		0.0010	1
02102	Ethylbenzene		100-41-4	N.D.		0.0010	1
02102	Toluene		108-88-3	N.D.		0.0010	1
02102	Total Xylenes		1330-20-7	N.D.		0.0030	1
GC Pet	roleum	SW-846	8015B	ug/l		ug/l	
Hydrod	carbons						
08269	TPH-DRO water C10-C	28	n.a.	35	J	98	1
Wet Ch	nemistry	EPA 300	0.0	mg/l		mg/l	
00224	Chloride		16887-00-6	5,860		1,000	2500
		SM20 25	540 C	mg/l		mg/l	
00212	Total Dissolved Sol:	ids	n.a.	13,900		2,400	10

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Tim	ne	Analyst	Dilution Factor
01636	TPH-GRO water C6-C10	SW-846 8015B modified	1	12104A53A	04/16/2012	19:39	Marie D John	1
02102	Method 8021 Water Master	SW-846 8021B	1	12104A53A	04/16/2012	19:39	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12104A53A	04/16/2012	19:39	Marie D John	1
08269	TPH-DRO water C10-C28	SW-846 8015B	1	121070008A	04/17/2012	12:06	Tracy A Cole	1
07003	Extraction - DRO (Waters)	SW-846 3510C	1	121070008A	04/16/2012	13:30	Kelli M Barto	1
00224	Chloride	EPA 300.0	1	12111987121A	04/21/2012	00:17	Clinton M Wilson	2500
00212	Total Dissolved Solids	SM20 2540 C	1	12107021202A	04/16/2012	14:08	Bronson L Cole	10



2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 •717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Sample Description: MW-3 Grab Water

Chevron Pardue Farms Eddy County, NM

LLI Sample # WW 6614500 LLI Group # 1301809 Account # 11713

Project Name: Chevron Pardue Farms Eddy County, NM

Collected: 04/11/2012 09:30 by TL Conestoga-Rovers & Associates

6320 Rothway, Suite 100

Houston TX 77040

Submitted: 04/12/2012 10:20 Reported: 04/25/2012 14:53

PFMW3

CAT No.	Analysis Name		CAS Number	As Rec Result	eived	Lir	Received mit of antitation	Dilution Factor
GC Vol	latiles	SW-846	8015B modified	ug/l		ug,	/1	
01636	TPH-GRO water C6-C1	0	n.a.	N.D.		50		1
GC Vol	latiles	SW-846	8021B	mg/l		mg,	/1	
02102	Benzene		71-43-2	N.D.		0.0	0010	1
02102	Ethylbenzene		100-41-4	N.D.		0.0	0010	1
02102	Toluene		108-88-3	N.D.		0.0	0010	1
02102	Total Xylenes		1330-20-7	N.D.		0.0	0030	1
GC Pet	roleum	SW-846	8015B	ug/l		ug,	/1	
Hydrod	carbons							
08269	TPH-DRO water C10-C	28	n.a.	94	J	95		1
Wet Ch	nemistry	EPA 300	0.0	mg/l		mg,	/1	
00224	Chloride		16887-00-6	6,820		1,0	000	2500
		SM20 25	540 C	mg/l		mg,	/1	
00212	Total Dissolved Sol:	ids	n.a.	17,000		2,4	400	10

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Tim	ıe	Analyst	Dilution Factor
01636	TPH-GRO water C6-C10	SW-846 8015B modified	1	12104A53A	04/16/2012	20:05	Marie D John	1
02102	Method 8021 Water Master	SW-846 8021B	1	12104A53A	04/16/2012	20:05	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12104A53A	04/16/2012	20:05	Marie D John	1
08269	TPH-DRO water C10-C28	SW-846 8015B	1	121070008A	04/17/2012	12:29	Tracy A Cole	1
07003	Extraction - DRO (Waters)	SW-846 3510C	1	121070008A	04/16/2012	13:30	Kelli M Barto	1
00224	Chloride	EPA 300.0	1	12111987121A	04/21/2012	00:32	Clinton M Wilson	2500
00212	Total Dissolved Solids	SM20 2540 C	1	12107021202A	04/16/2012	14.08	Bronson L Cole	1.0



2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 •717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Sample Description: MW-2 Grab Water

Chevron Pardue Farms Eddy County, NM

LLI Sample # WW 6614501 LLI Group # 1301809 Account # 11713

Project Name: Chevron Pardue Farms Eddy County, NM

Collected: 04/11/2012 11:00 by TL Conestoga-Rovers & Associates

6320 Rothway, Suite 100

Houston TX 77040

Submitted: 04/12/2012 10:20 Reported: 04/25/2012 14:53

PFMW2

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC Vo	latiles	SW-846	8015B modified	ug/l	ug/l	
01636	TPH-GRO water C6-C10)	n.a.	N.D.	50	1
GC Vo	latiles	SW-846	8021B	mg/l	mg/l	
02102	Benzene		71-43-2	N.D.	0.0010	1
02102	Ethylbenzene		100-41-4	N.D.	0.0010	1
02102	Toluene		108-88-3	N.D.	0.0010	1
02102	Total Xylenes		1330-20-7	N.D.	0.0030	1
GC Pe	troleum	SW-846	8015B	ug/l	ug/l	
Hydro	carbons					
08269	TPH-DRO water C10-C2	28	n.a.	50 J	96	1
	The recovery for the acceptance limits as was not available to	noted or	the QC Summary.			
Wet C	hemistry	EPA 300	.0	mg/l	mg/l	
00224	Chloride		16887-00-6	6,340	1,000	2500
		SM20 25	40 C	mg/l	mg/l	
00212	Total Dissolved Soli	.ds	n.a.	15,500	2,400	10

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti	me	Analyst	Dilution Factor
01636	TPH-GRO water C6-C10	SW-846 8015B modified	1	12104A53A	04/16/2012	20:32	Marie D John	1
02102	Method 8021 Water Master	SW-846 8021B	1	12104A53A	04/16/2012	20:32	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12104A53A	04/16/2012	20:32	Marie D John	1
08269	TPH-DRO water C10-C28	SW-846 8015B	1	121070008A	04/17/2012	12:52	Tracy A Cole	1
07003	Extraction - DRO (Waters)	SW-846 3510C	1	121070008A	04/16/2012	13:30	Kelli M Barto	1
00224	Chloride	EPA 300.0	1	12111987121A	04/21/2012	00:46	Clinton M Wilson	2500
00212	Total Dissolved Solids	SM20 2540 C	1	12107021202A	04/16/2012	14.08	Bronson L Cole	1.0



2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 •717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Sample Description: Trip Blank Water

Chevron Pardue Farms Eddy County, NM

LLI Sample # WW 6614502 LLI Group # 1301809

Account

11713

Project Name: Chevron Pardue Farms Eddy County, NM

Collected: 04/11/2012 Conestoga-Rovers & Associates

6320 Rothway, Suite 100

Houston TX 77040

Submitted: 04/12/2012 10:20 Reported: 04/25/2012 14:53

TBPF-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC Vo	latiles	SW-846 8021B	mg/l	mg/l	
02102	Benzene	71-43-2	N.D.	0.0010	1
02102	Ethylbenzene	100-41-4	N.D.	0.0010	1
02102	Toluene	108-88-3	N.D.	0.0010	1
02102	Total Xylenes	1330-20-7	N.D.	0.0030	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CZ	AT	Analysis Name	Method	Trial#	Batch#	Analysis	Analyst	Dilution
No	ο.					Date and Time		Factor
02	2102	Method 8021 Water Master	SW-846 8021B	1	12104A53A	04/16/2012 14:17	Marie D John	1
0:	1146	GC VOA Water Prep	SW-846 5030B	1	12104A53A	04/16/2012 14:17	Marie D John	1





2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 •717-656-2300 Fax; 717-656-2681 • www.lancasterlabs.com

Page 1 of 5

Analysis Report

Quality Control Summary

Client Name: Conestoga-Rovers & Associates Group Number: 1301809

Reported: 04/25/12 at 02:53 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

Analysis Name	Blank <u>Result</u>	Blank <u>LOQ</u>	Report <u>Units</u>	LCS %REC	LCSD %REC	LCS/LCSD <u>Limits</u>	RPD	RPD Max
Batch number: 12104A31A Benzene Ethylbenzene Toluene TPH-GRO soil C6-C10 Total Xylenes	Sample numbe N.D. N.D. N.D. N.D. N.D.	er(s): 661 0.0050 0.0050 0.0050 1.0 0.015	4483-66144 mg/kg mg/kg mg/kg mg/kg mg/kg	184,661448 90 91 89 90	6-6614487	,6614489-661 76-118 77-115 80-120 67-119 78-115	L4497	
Batch number: 12104A31B Benzene	Sample numbe		5. 5	485,661448 90	8	76-118		
Ethylbenzene Toluene TPH-GRO soil C6-C10 Total Xylenes	N.D. N.D. N.D. N.D.	0.0050 0.0050 1.0 0.015	mg/kg mg/kg mg/kg mg/kg	91 89 90		77-115 80-120 67-119 78-115		
Batch number: 12104A53A Benzene Ethylbenzene Toluene TPH-GRO water C6-C10 Total Xylenes	Sample numbe N.D. N.D. N.D. N.D. N.D.	er(s): 661 0.0010 0.0010 0.0010 50. 0.0030	4499-66145 mg/l mg/l mg/l ug/l mg/l	502 100 105 105 118 107		80-120 80-120 80-120 75-135 80-120		
Batch number: 12104A94A Benzene Ethylbenzene Toluene Total Xylenes	Sample numbe N.D. N.D. N.D. N.D.	r(s): 661 0.0010 0.0010 0.0010 0.0030	4498 mg/l mg/l mg/l mg/l	100 100 95 102	100 100 95 102	80-120 80-120 80-120 80-120	0 0 0 0	30 30 30 30
Batch number: 12107A31A TPH-GRO soil C6-C10	Sample numbe	r(s): 661 1.0	4482 mg/kg	76		67-119		
Batch number: 121070008A TPH-DRO water C10-C28	Sample numbe	r(s): 661 100.	4499-66145 ug/l	501 88		56-122		
Batch number: 121070031A TPH-DRO soil C10-C28	Sample numbe	r(s): 661 12.	4482-66144 mg/kg	197 78		76-117		
Batch number: 12108108201A Chloride by IC (solid)	Sample numbe N.D.	r(s): 661 10.0	4482-66144 mg/kg	191,661449 99	3	90-110		
Batch number: 12108108201B Chloride by IC (solid)	Sample numbe N.D.	r(s): 661 10.0	4492,66144 mg/kg	194-661449 99	7	90-110		
Batch number: 12111987121A Chloride	Sample numbe N.D.	r(s): 661 0.40	4499-66145 mg/l	501 101		90-110		
Batch number: 12107021202A	Sample numbe	r(s): 661	4499-66145	501				

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.



2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 •717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 2 of 5

Quality Control Summary

Client Name: Conestoga-Rovers & Associates Group Number: 1301809

Reported: 04/25/12 at 02:53 PM

Batch number: 12104820002B Sample number(s): 6614482-6614497

Moisture 100 99-101

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD <u>Limits</u>	RPD	RPD <u>MAX</u>	BKG Conc	DUP <u>Conc</u>	DUP <u>RPD</u>	Dup RPD Max
Batch number: 12104A31A	Sample	number(s)	. 6614483	-661448	4.6614	486-661448'	7,6614489-661	4497 IINSPK:	6614486
Benzene	109	109	52-135	5	30	100 001110	,,0022105 002	115, 01,011.	0011100
Ethylbenzene	114	116	56-132	4	30				
Toluene	113	115	59-129	3	30				
TPH-GRO soil C6-C10	118	128*	39-118	7	30				
Total Xylenes	113*	114*	66-112	4	30				
Total Aylenes	113	TIT	00-112	7	30				
Batch number: 12104A31B	Sample	number(s)	. 6614482	. 661448	5.6614	488 UNSPK:	6614486		
Benzene	109	109	52-135	5	30	ioo onoin.	0011100		
Ethylbenzene	114	116	56-132	4	30				
Toluene	113	115	59-129	3	30				
TPH-GRO soil C6-C10	118	128*	39-129	3 7	30				
	113*	114*	66-112	4	30				
Total Xylenes	113^	114 ^	66-112	4	30				
Batch number: 12104A53A	Samnle	number(s)	. 6614499	-661450	2 IIMGD	K: P614533	D614540		
Benzene	105	110	80-130	5	30	R. 1014555	, 1014540		
Ethylbenzene	110	110	80-133	0	30				
Toluene	110	115	80-133	4	30				
TPH-GRO water C6-C10	109	118		_	30				
			75-135	8					
Total Xylenes	110	113	80-132	3	30				
Batch number: 12107A31A	Sample	number(s)	. 6614482	IMCDK.	D6166	89			
TPH-GRO soil C6-C10	4 *	102	39-118	35*	30	0 9			
IPH-GRO SOII CO-CIU	4	102	39-110	33"	30				
Batch number: 121070008A	Sample	number(s)	. 6614499	-661450	1 IINSP	K: P615748			
TPH-DRO water C10-C28	88	93	19-173	0	20	R. 1015/40			
IFII-DRO Water C10-C20	00	93	19-173	U	20				
Batch number: 121070031A	Sample	number(s)	. 6614482	-661449	7 IINSP	K: 6614482	BKG: 6614482		
TPH-DRO soil C10-C28	3 (2)	namber (b)	30-159	001113	, 01101.	8,500	9,800	14	20
IFII-DRO SOII CIU-CZU	5 (2)		30-139			0,300	5,000	14	20
Batch number: 12108108201A	Sample	number(s)	. 6614482	-661449	1.6614	493 UNSPK.	6614482 BKG:	6614482	
Chloride by IC (solid)	-18556	namber (b)	90-110	001113	1,0011	18,700	18,400	2 (1)	20
chioride by ic (solid)	(2)		30-110			10,700	10,400	2 (1)	20
	(2)								
Batch number: 12108108201B	Sample	number(c)	. 661//02	661110	1-6611	407 IMCDV.	6614492 BKG:	6614492	
Chloride by IC (solid)	-8413	number (s)	90-110	,001442	4-0014	12,600	10,500	17 (1)	20
chioride by ic (sorid)	(2)		90-110			12,600	10,300	1/ (1)	20
	(\(\alpha \)								
Batch number: 12111987121A	Cample	number (a)	. 6614400	661450	1 IIMCD	V. D614674	BKG: P614674		
Chloride	100	muliber (S)	90-110	-001450	T ONSP.	2.0	2.1	3	20
ciitottae	T00		90-TT0			∠.∪	∠.⊥	3	∠∪
Batch number: 12107021202A	Campla	numbor/al	. 6614400	661450	1 IIMCD	V. D61/67/	BKG: P614674		
Daten number: 1210/021202A	Sample	mumber (S)	: 0014499	-001450	T OND P.	V: D0140/4	DVG: L0140/4		

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.



2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 •717-656-2300 Fax; 717-656-2681 • www.lancasterlabs.com

Page 3 of 5

Quality Control Summary

Client Name: Conestoga-Rovers & Associates Group Number: 1301809

Reported: 04/25/12 at 02:53 PM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u> Total Dissolved Solids	MS <u>%REC</u> 104	MSD <u>%REC</u> 104	MS/MSD Limits 62-135	<u>RPD</u> 0	MAX 12	BKG <u>Conc</u> 157	DUP <u>Conc</u> 159	DUP <u>RPD</u> 1	Dup RPD <u>Max</u> 9
Batch number: 12104820002B Moisture	Sample	number(s): 6614482	2-66144	97 BKG	G: 6614489 11.2	10.3	8	15

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: Method 8021 Soil Master Batch number: 12104A31A

	Trifluorotoluene-F	Trifluorotoluene-P
6614483	95	92
6614484	92	90
6614486	102	93
6614487	96	91
6614489	98	95
6614490	90	88
6614491	96	94
6614492	94	98
6614493	92	90
6614494	95	95
6614495	96	94
6614496	92	94
6614497	89	91
Blank	93	92
LCS	95	90
MS	96	86
MSD	99	85
Limits:	61-122	73-117

Analysis Name: Method 8021 Soil Master

Batch number: 12104A31B

	Trifluorotoluene-F	Trifluorotoluene-P
6614482		70*
6614485	90	72*
6614488	90	70*
Blank	83	95
LCS	95	90
MS	96	86
MSD	99	85
Limits:	61-122	73-117

Analysis Name: Method 8021 Water Master Batch number: 12104A53A

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.



2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 •717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 4 of 5

Quality Control Summary

Client Name: Conestoga-Rovers & Associates Group Number: 1301809

Reported: 04/25/12 at 02:53 PM

Surrogate Quality Control

			Surrogate Quality Control
	Trifluorotoluene-F	Trifluorotoluene-P	- · · · -
6614499	76	80	
6614500	76	81	
6614501	76	80	
6614502	, 0	80	
Blank	76	79	
LCS	81	80	
MS	79	80	
MSD	81	80	
MSD	81	80	
Limits:	63-135	51-120	
Analysis	Name: Method 8021	Water Master	
Batch nur	mber: 12104A94A		
200011 1101	Trifluorotoluene-P		
	Tilluoi otoluerie-i		
6614498	84		
Blank	84		
LCS	85		
LCSD	84		
2002			
Limits:	51-120		
Analygig	Name: TPH-GRO soi	1 C6-C10	
	mber: 12107A31A	1 66-610	
Datell Hui			
	Trifluorotoluene-F		
6614482	87		
Blank			
	77		
LCS	83		
MS	88		
MSD	87		
Limits:	61-122		
Analwaia	Name: TPH-DRO wat	or C10 C20	
	mber: 121070008A	er C10-C28	
Datell Hui			
	Orthoterphenyl		
6614499	88		
6614500	60		
6614501	41*		
Blank	89		
LCS	91		
MS	91		
MSD	91		
Limits:	50-154		
7 7 '	N EDII DDC '	1 010 000	
Analysis	Name: TPH-DRO soi	T CIU-C28	
Batch nui	mber: 121070031A		
	Orthoterphenyl		
6614482	198*		
6614483	93		
6614484	82		

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.



2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 •717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 5 of 5

Quality Control Summary

Client Name: Conestoga-Rovers & Associates Group Number: 1301809

Reported: 04/25/12 at 02:53 PM

Surrogate Quality Control

Limits: 50-143

⁽¹⁾ The result for one or both determinations was less than five times the LOQ.

⁽²⁾ The unspiked result was more than four times the spike added.

& eurofins

Laboratories

For Lancaster Laboratories use only

Acct. # 11713 Group # 1301809 Sample # 6614482-507 COC # 304587

Please print. Instructions on reverse side correspond with circled numbers. For Lab Use Only (5) Analyses Requested FSC: Preservation Codes SCR#: Matrix Client: Ground Surface **Preservation Codes** Project Name/#: Pardue Farms H=HCI T=Thiosulfate 6 N=HNO₃ B=NaOH Total # of Containers Project Manager: ____ S=H2SO4 O=Other Sampler: Name of state where samples were collected: New Mexico Grab Time Collected Remarks Sample Identification Collected 4.9 1325 400 |Time (9 Jurnaround Time Requested (TAT) (please circle): Standard Rush Time Received by: Relinquished by: Date Date Rush TAT is subject to Lancaster Laboratories approval and surcharge.) Date results are needed: Relinquished by: Date Time | Received by: Date Time Rush results requested by (please circle): Phone E-mail Phone #: Time Received by: Relinquished by: Date Time E-mail address: 'Data Package Options (please circle if required) EDD Required? Type I (Validation/non-CLP) MA MCP CT RCP Yes No Date Relinquished by: Date. Time | Received by: Time Type III (Reduced non-CLP) Site-specific QC (MS/MSD/Dup)? Yes Type IV (CLP SOW) Date Time Received by: Date Time Relinquished by: (if yes, indicate QC sample and submit triplicate Type VI (Raw Data Only) TX TRRP-13 sample volume)

For Lancaster Laboratories use only Acct. # 11713 Group # 1301809 Sample # 6614482-502 COC # 304586 **eurofins** Laboratories For Lab Use Only Pg 262 Please print. Instructions on reverse side correspond with circled numbers. (5) Analyses Requested Client: See #Y Matrix **Preservation Codes** SCR#: **Preservation Codes** _PWSID #: _____ Project Name/#: ____ PWSID #: _____ Project Manager: _____ P.O.#: _____ Quote #: _____ Project Manager: _____ Quote #: _____ P.O.#: _____ Project Manager: _____ Quote #: _____ Project Manager: _____ Project Manager: _____ Quote #: _____ Project Manager: ____ Project Manager: _____ Quote #: _____ Project Manager: _____ Project Manager: _____ Quote #: _____ Project Manager: ______ Project Manager: _______ Project Manager: _______ Project Manager: _______ Project Manager: ________ Project Manager: __ Project Name/#: H=HCI T=Thiosulfate (6) N=HNO₃ B=NaOH S=H₂SO₄ O=Other Sample Identification Remarks 1005 1010 1400 Jurnaround Time Requested (TAT) (please circle): /Standard) Rush Date Time (9) Date Time Received by: (Rush TAT is subject to Lancaster Laboratories approval and surcharge.) Date results are needed: Date Time Received by: Date Time Rush results requested by (please circle): Phone E-mail 4.11.12 1810 Phone #: E-mail address: Time Received by: Date Time Pata Package Options (please circle if required) **EDD Required?** Type I (Validation/non-CLP) MA MCP CT RCP Yes No Date Relinquished by: Time Received by: Date Time Type III (Reduced non-CLP) Site-specific QC (MS/MSD/Dup)? Yes No Type IV (CLP SOW) Relinquished by: Date Time | Received by: Type VI (Raw Data Only) (if yes, indicate QC sample and submit triplicate Date Time TX TRRP-13 sample volume)

💸 eurofins

Lancaster Laboratories Acct. # 11713 Group # 1301809 Sample # 6614482-502COC # 303688

Please print. Instructions on reverse side correspond with circled numbers.

For Lancaster Laboratories use only

1) /n/-//EM/		•			Matrix		T	(5			Requ				For Lab Use Only FSC: SCR#: 1206	42	-
Client:	P.O.#: _ Quot ę #	#:	<u>ن</u> د	Soil Sediment	Water Potable ☐ Ground FF Interestrated NPDES ☐ Surface ☐ xi		Total # of Containers	8015408 2Kon	JR0	-	on Cod	es			Preservation Codes H=HCI T=Thiosulfa N=HNO ₃ B=NaOH S=H ₂ SO ₄ O=Other Remarks		Temperature of samples (grequested)
MW-I	4.11	900			Χ		3	2	3								L.
MW-1 MW-3	4.11	930			X		3	_	3								
1147-7-	4.11	1100			У		3	Z	3			ļ					
Trip Blank	•	•			X		2										
7 Turnaround Time Requested (TAT) (please c	•		R	elipqu	shed t	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Jus		7	Date 2	Time /43	Red	eive	d by:		Date	Time (
Date results are needed: Rush results requested by (please circle): Ph Phone #:	one E-mai	 	R	elingu	shed b	y: Per	rh_			Date 441112		Red	eive	d by:		Date	Time
E-mail address:			R	elinqu	shed b	oy:	7 .			Date	Time	Red	eive	d by:		Date	Time
Type III (Reduced non-CLP)	RCP Y	D Required? es No	R	elinqu	shed b	oy:		******		Date	Time	Red	eive	d by:		Date	Time
Type IV (CLP SOW) Type VI (Raw Data Only) TX TRRP-13 Site-specific QC (if yes, indicate QC sample volume)				Relinquished by:				Date	Time	Rec	eived		4/1	Date 2/12	Time 1020		

eurofins

For Lancaster Laboratories use only

Acct. # 11713 Group # 1301809 Sample # 6614482-502 COC # 304588

Laboratories Please print. Instructions on reverse side correspond with circled numbers. For Lab Use Only (5) Analyses Requested Client: CRA/CEMC SCR#:_____ **Preservation Codes** Acct. #: Preservation Codes Project Name/#: ______ PWSID #: _____ H=HCI T=Thiosulfate N=HNO₃ B=NaOH Project Manager: S=H₂SO₄ O=Other Sampler: Name of state where samples were collected: 2012 Date Sample Identification Collected Remarks 900 930 1100 Turnaround Time Requested (TAT) (please circle): Standard Rush |Time (9 Relinquished by: Date Time Received by: Date Rush TAT is subject to Lancaster Laboratories approval and surcharge.) 4.11.1 Date results are needed: Time Received by: Relinquished by: Date Date Time Rush results requested by (please circle): Phone E-mail Phone #: Relinguished by: Time Received by: Date Date Time E-mail address: Pata Package Options (please circle if required) EDD Required? Type I (Validation/non-CLP) MA MCP CT RCP Yes No Relinguished by: Date Time | Received by: Date Time Type III (Reduced non-CLP) Site-specific QC (MS/MSD/Dup)? Yes No Type IV (CLP SOW) Relinquished by: Date Time Received by: Date Time Type Vi (Raw Data Only) (if yes, indicate QC sample and submit triplicate TX TRRP-13 sample volume)



Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

_		•	=
RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
С	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
μg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	Ĺ	liter(s)
m3	cubic meter(s)	μL	microliter(s)
		pg/L	picogram/liter

- < less than The number following the sign is the <u>limit of quantitation</u>, the smallest amount of analyte which can be reliably determined using this specific test.
- > greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis

Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C - result confirmed by reanalysis.

J - estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

	Organic Qualifiers		Inorganic Qualifiers
Α	TIC is a possible aldol-condensation product	В	Value is <crdl, but="" th="" ≥idl<=""></crdl,>
В	Analyte was also detected in the blank	E	Estimated due to interference
С	Pesticide result confirmed by GC/MS	M	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	N	Spike sample not within control limits
Ε	Concentration exceeds the calibration range of	S	Method of standard additions (MSA) used
	the instrument		for calculation
N	Presumptive evidence of a compound (TICs only)	U	Compound was not detected
Р	Concentration difference between primary and	W	Post digestion spike out of control limits
	confirmation columns >25%	*	Duplicate analysis not within control limits
U	Compound was not detected	+	Correlation coefficient for MSA < 0.995
X,Y,Z	Defined in case narrative		

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as "analyze immediately" are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions, and Lancaster hereby objects to any conflicting terms contained in any acceptance or order submitted by client.



District I 1625 N. French Dr., Hobbs, NM 88240 District II

1000 Rio Brazos Road, Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico **Energy Minerals and Natural Resources**

NOV 07 2012

RECEIVED

Form C-141 Revised August 8, 2011

NMOGIF I ABJTE SPAPriate District Office in accordance with 19.15.29 NMAC.

Oil Conservation Division 1220 South St. Francis Dr.

Santa Fe, NM 87505

Release Notification and Corrective Action															
MMICO	12313	41442				OPERATOR ⊠ Initial Report ☐ Final Report									
Name of Co				4/333	(Contact: Ms. Donna Burt									
				Eunice, NM 882		Telephone No.: (575) 631-2151									
Facility Nai	me: Pardue	Farms 27-1	2		<u> </u>	Facility Type: Oil Well									
Surface Ow	ner: Billy	Melton		Mineral O	wner: (Chevron			API No	30-01	5-2398	0			
				LOCA	OF RE	LEASE									
Unit Letter 12 K	Section 27	Township 23 S	Range 28 W	Feet from the	North/	South Line	Feet from the	East/V	Vest Line	County Eddy					
	Latitude N 32.27358 Longitude W 104.07818														
				NAT	URE	OF REL	EASE								
		ed water with	oil.			estimate of	Release: Initial 3.617 bbls.			Recovered: 1					
Source of Re	clease: Flow	line				Date and F May 2010	Hour of Occurrence	e:	Date and 2010, 12:		covery: June	7,			
Was Immedi	ate Notice						Whom?		2010, 12.	oo piii					
~ · · · · · · · · · · · · · · · · · · ·			Yes [No 🛛 Not Re	quired			·							
By Whom? Was a Water	Mauroa Pan	ahad?				Date and I	lour olume Impacting	tha Wat							
was a water	course Rea		Yes ⊠] No		H TES, V	onume impacting	uie wau	ercourse.						
If a Waterco	urse was In	pacted, Descr	ibe Fully.	No impact to a v	atercou	rse occurred									
												'			
Flowline had	i a pin hole		e of the pi	n Taken.* pe caused by inten c. The release was								l to			
The area sur contractor ex	rounding the	me impacted s	the flow li oil. Howe	cen.* ne appeared wet. / ver once excavation solution 5 bbls. The exact	n began	it appeared	that the release w	as great	er than 5 bl						
regulations a public health should their or the enviro	all operators or the envious longerations longerations	are required to ironment. The have failed to	to report a e acceptan adequately OCD accep	e is true and comp nd/or file certain n ce of a C-141 repo y investigate and n ptance of a C-141	elease no ort by the emediate	otifications a e NMOCD n e contaminat	ind perform correct parked as "Final Rich that pose a thi	ctive act leport" or reat to g	ions for rel locs not rel round wate	eases which ieve the ope r, surface w	may endange rator of liabili ater, human he	r ity calth			
							OIL CON	SERV	ATION	DIVISIO	<u>)N</u>				
Signature:		•									1.1	i/			
Printed Nam	ne: Bo	y J. 1	11.11			Approved by	Environmental S	Specialis	st: Si	gned By_	M1/4 A	<u>-</u>			
Title: Pag	ductio	N TEA	n Lea	Den		A oval 🕅	TA 08		F ration	Date:					
E-mail Add	ress: bok	bupill @	cheu	ron. com		Conditions of				Attached	ı 🗆				
Date: 11	1/4		Phone	: 575.63] .916	G	uidelines.	ation per OCE SUBMIT REM NOT LATER T	EDIAT		2RF	0-1390) う			

PROPOSAL NOT LATER THAN:

Bratcher, Mike, EMNRD

From: Bockisch, Bernie

Sent: Wednesday, November 07, 2012 1:54 PM

Sent: Wednesday, November 07, 2012 1:54 PM

To: Bratcher, Mike, EMNRD

Cc: Burt, Donna T (DonnaBurt); Larson, Thomas

Subject:Pardue Farms C-141 FormAttachments:Pardue Farms C-141.pdf

Mike,

As discussed, I am submitting the C-141 Form on behalf of Chevron USA, Inc. Could you please provide me with a RP number for this when you get a chance. Thanks and please feel free to contact me if you have any questions.

Bernie

Bernard Bockisch, PMP Conestoga-Rovers & Associates (CRA)

6121 Indian School Rd NE Ste. 200 Albuquerque, NM, USA 87110

Office: (505) 884-0672 Mobile: (505) 280-0572 Fax: (505) 884-4932

Email: bbockisch@craworld.com

www.CRAworld.com

Bratcher, Mike, EMNRD

From:

Bratcher, Mike, EMNRD

Sent:

Wednesday, November 07, 2012 3:00 PM

To:

'Bockisch, Bernie'

Cc:

Burt, Donna T (DonnaBurt); Larson, Thomas

Subject:

RE: Pardue Farms C-141 Form

Bernie,

It will be 2RP-1395, but may be a couple of days before it gets entered in the system.

Thanks,

Mike Bratcher NMOCD District 2 811 S. First Street Artesia, NM 88210 O: 575-748-1283 X108

C: 575-626-0857 F: 575-748-9720

From: Bockisch, Bernie [mailto:bbockisch@craworld.com]

Sent: Wednesday, November 07, 2012 1:54 PM

To: Bratcher, Mike, EMNRD

Cc: Burt, Donna T (DonnaBurt); Larson, Thomas

Subject: Pardue Farms C-141 Form

Mike,

As discussed, I am submitting the C-141 Form on behalf of Chevron USA, Inc. Could you please provide me with a RP number for this when you get a chance. Thanks and please feel free to contact me if you have any questions.

Bernie

Bernard Bockisch, PMP Conestoga-Rovers & Associates (CRA)

6121 Indian School Rd NE Ste. 200 Albuquerque, NM, USA 87110

Office: (505) 884-0672 Mobile: (505) 280-0572 Fax: (505) 884-4932

Email: bbockisch@craworld.com

www.CRAworld.com

1

.