

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
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

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised October 10, 2003

Submit 2 Copies to appropriate  
District Office in accordance  
with Rule 116 on back  
side of form

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company	Chevron Midcontinent Alaska	Contact	Kim Klahsen
Address	HCR 60 Box 423 Lovington, NM 88260	Telephone No.	(575) 396-4414 x 128 or (432) 894-3298 (cell)
Facility Name	Vacuum Grayburg San Andres Satellite 3 Trunkline	Facility Type	Production Satellite No. 3

Surface Owner:	State of NM	Mineral Owner:	State of NM	Lease No. B-155
				<i>Well # VGSAL # 60</i>

LOCATION OF RELEASE								
Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
L	2	18S	34E					Lea

Latitude N 32.77492° Longitude W 103.51832°

*WTR 120'*

NATURE OF RELEASE

Type of Release	Oil and Produced Water	Volume of Release	44.4 bbl oil / 792 bbl produced water	Volume Recovered	Approximately 22 bbl oil / 450 bbl water (mixed w/rain)
Source of Release	Production Trunkline	Date and Hour of Occurrence	7/21/09 @ 11:12 pm	Date and Hour of Discovery	7/22/09 @ 3:00 am
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Geoffrey Leking			
By Whom?	Larry Ridenour	Date and Hour	7/22/09 @ 10:11 am		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\*

Failure of a 6" fiberglass nipple pulled out a ninety degree elbow caused the release at the trunkline. All wells were shut in, isolation valves were closed and a vacuum truck called to the site following a severe rainstorm. Estimated rainfall during the storm was 2".

Describe Area Affected and Cleanup Action Taken.\*

Visibly impacted soil was removed from an area covering approximately 37,516 square feet and disposed at an NMOCD approved facility. Soil samples were collected on 8/4/09 and 9/28/09. Additional soil was excavated and removed from the site, until further sampling confirmed that chloride concentrations were below 1,000 mg/kg. A Remediation Report is attached that provides detailed information of the remediation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature:	<i>Kim Klahsen</i>	OIL CONSERVATION DIVISION	
Printed Name:	Kim Klahsen	Approved by District Supervisor:	<i>Johnson</i>
Title:	HES Specialist	Approval Date:	11.5.10
E-mail Address:	KDKL@chevron.com	Expiration Date:	
Date:	10/13/10	Conditions of Approval:	
Phone:	(432) 894-3298	Attached	<input type="checkbox"/>

*(RP 11.10.2641)*

\* Attach Additional Sheets If Necessary

*n LWS 1036951059*  
*PLWS 1036951687*

RECEIVED

OCT 20 2010

HOBBSOCD



October 13, 2010

Mr. Larry Johnson  
Environmental Engineer  
Oil Conservation Division  
New Mexico Energy, Minerals and Natural Resources Department  
1625 N. French Drive  
Hobbs, New Mexico 88240

**Re: Spill Remediation Report,  
Chevron MidContinent Alaska,  
Vacuum Grayburg San Andres Satellite #3 Trunkline,  
Unit Letter L (NW/4, SW/4), Section 2, Township 18 South, Range 34 East,  
Lea County, New Mexico  
(Latitude: N 32.77492° / Longitude: W 103.51832°)**

Dear Mr. Johnson:

Chevron MidContinent Alaska (Chevron) has retained Crain Environmental (Crain) to remediate impacts to soil from a leak at the Vacuum Grayburg San Andres Satellite #3 Trunkline. The pipeline is located in the northwest quarter (NW/4) of the southwest quarter (SW/4), Section 2, Township 18 South, Range 34 East, Lea County, New Mexico (Site). Approximately 44 barrels of oil and 792 barrels of water were released in July of 2009. A C-141 was submitted to the New Mexico Oil Conservation Division (NMOCD) on July 22, 2009. Figure 1 shows the site location.

#### **Initial Investigation**

Visibly impacted soil was scraped from the spill area and disposed at an NMOCD approved disposal facility. On August 4, 2009, Ocotillo collected twelve (12) soil samples (SS-1 through SS-12) from the surface of the scraped spill area measuring approximately 477 feet x 410 feet, and submitted them to Xenco Laboratories (Xenco) in Odessa, Texas for chloride analysis. Figure 2 shows the sample point locations. Table 1 provides a summary of the laboratory analyses. Appendix A provides laboratory and chain of custody documentation.

Referring to Table 1, soil samples collected at points SS-2, SS-3, SS-8, SS-9, SS-11 and SS-12 reported chloride concentrations below 1,000 mg/kg, and needed no further remediation. The soil sample collected at point SS-4 was deemed to be located inside the reserve drilling pit, and would also require no further remedial action.

On September 28, 2009, additional soil samples were collected with a backhoe at the sample point SS-1, SS-5, SS-6, SS-7 and SS-10 locations. Soil samples were also collected at nine (9) locations (SS-12 through SS-20) in order to provide vertical and horizontal delineation of the spill area. All samples were submitted to Xenco for chloride analysis. Figure 2 shows the sample point locations. Table 1 provides a summary of the laboratory analyses. Appendix A provides laboratory and chain of custody documentation.

Referring to Table 1, chloride concentrations were reported less than 1,000 mg/kg in sample SS-5 at a depth of three (3) feet bgs (337 mg/kg), in SS-6 at one (1) foot bgs (140 mg/kg), in SS-7 at two (2) feet bgs (760 mg/kg), in SS-10 at one (1) foot bgs (124 mg/kg), in SS-12 at one (1) foot bgs (494 mg/kg), and in sample points SS-13 through SS-20 at the surface (0-6").

Samples collected at sample point SS-1 reported chloride concentrations above 1,000 mg/kg to a depth of five (5) feet bgs.

Based on published literature (1961), well records of the New Mexico State Engineer, and well records of the United States Geological Survey, groundwater occurs at approximately 135 feet bgs in the well located nearest the Site. No domestic water wells are located within 1,000 feet of the site. The NMOCD has established recommended remediation action levels (RRALs) for benzene, total BTEX and TPH resulting from spills of natural gas liquids ("Guidelines for Remediation of Leaks, Spills and Releases, August 13, 1993"). Remediation levels for benzene, total BTEX and TPH were calculated using the following NMOCD criteria:

Criteria	Result	Ranking Score
Depth-to-Groundwater	>100 Feet	0
Wellhead Protection Area	No	0
Distance to Surface Water Body	>1000 Horizontal Feet	0
		<b>Total: 0</b>

The following RRALs have been assigned based on NMOCD criteria:

**Benzene**                      **10 mg/kg**  
**Total BTEX**                **50 mg/kg**  
**TPH**                         **5,000 mg/kg**

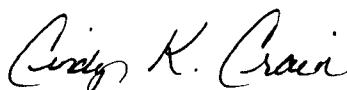
#### **Remediation**

Excavation was conducted at the spill area, removing and disposing of at least one (1) foot of impacted soil from the areas surrounding sample points SS-6, SS-10 and SS-12 (9-28-09 sample location). At least two (2) feet of soil was excavated and disposed from the area surrounding sample point SS-7, at least three (3) feet of soil was excavated and disposed from the area surrounding sample point SS-5, and at least seven (7) feet of soil was excavated and disposed from the area surrounding sample point SS-7.

As all final samples reported concentrations below the remediation levels, a final C-141 has been completed and is attached as the last page of this report. Chevron appreciates your assistance in the closure of this project.

If you have any questions or need additional information, please call Kim Klahsen at (432) 894-3298 or myself at (575) 441-7244. We may also be reached by email at [kdkl@chevron.com](mailto:kdkl@chevron.com) or [Cindy.Crain@gmail.com](mailto:Cindy.Crain@gmail.com).

Sincerely,  
**Crain Environmental**

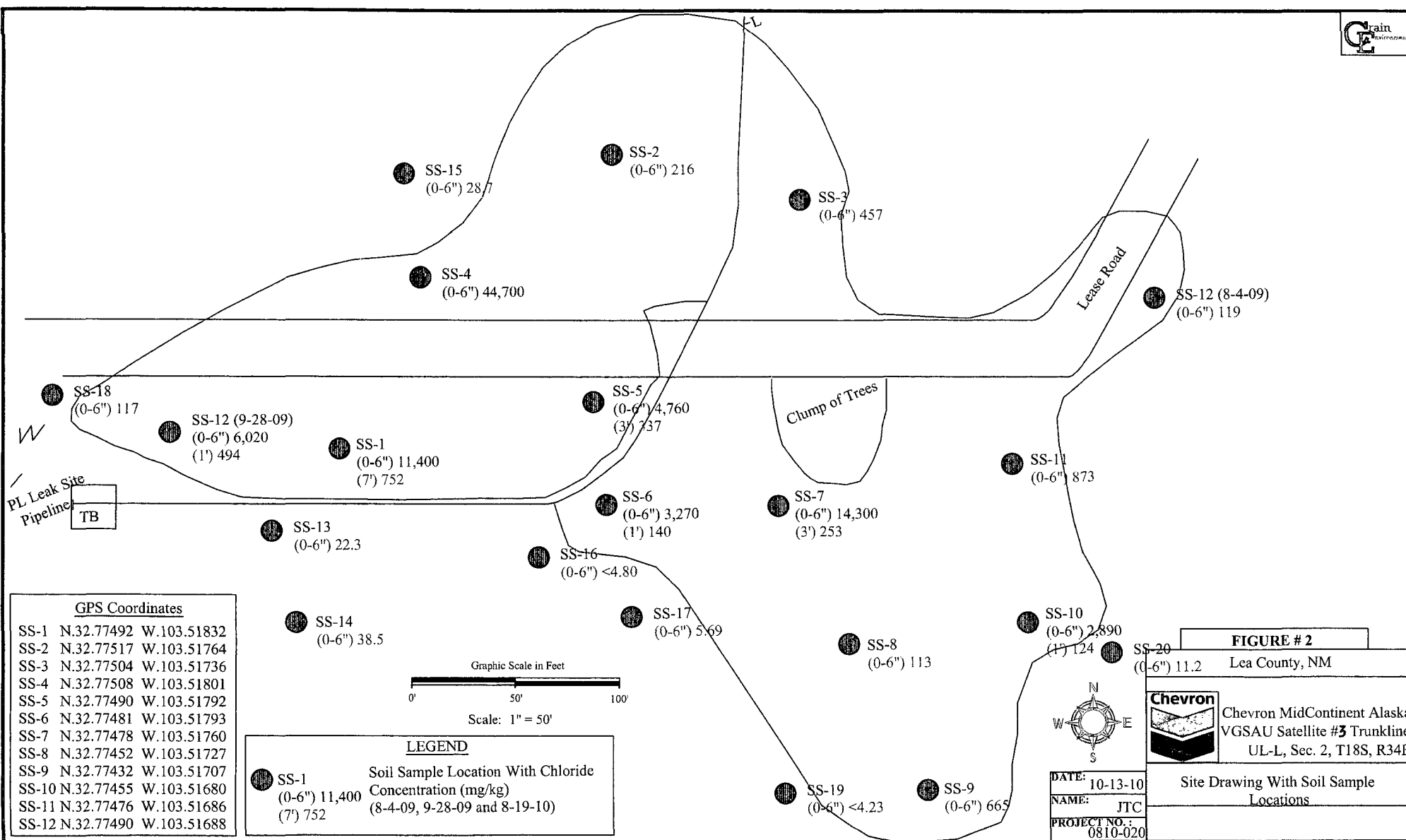


Cindy K. Crain, P.G.  
Environmental Manager

cc: Kim Klahsen, Chevron

## **FIGURES**





## TABLE

**Table 1: Summary of Laboratory Analysis of Soil Samples**  
**Chevron MidContinent LP, VGSAU Satellite #3 Trunkline**  
**Unit Letter L, Section 2, Township 18 South, Range 34 East**  
**Lea County, New Mexico**

Sample Date	Soil Sample Number	Sample Depth (feet BGS)	Chloride (mg/kg)	Soil Status
8/4/09	SS-1	0-6"	11,400	Excavated
9/28/09		1	2,680	Excavated
9/28/09		2	3,200	Excavated
9/28/09		3	3,070	Excavated
9/28/09		4	3,770	Excavated
9/28/09		5	4,590	Excavated
8/19/10		6	48	Excavated
8/19/10		7	752	In Situ
8/4/09	SS-2	0-6"	216	In Situ
8/4/09	SS-3	0-6"	457	In Situ
8/4/09	SS-4*	0-6"	44,700	In Situ
8/4/09	SS-5	0-6"	4,760	Excavated
9/28/09		1	1,050	Excavated
9/28/09		2	1,010	Excavated
9/28/09		3	337	In Situ
8/4/09	SS-6	0-6"	3,270	Excavated
9/28/09		1	140	In Situ
9/28/09		2	39.2	In Situ
9/28/09		3	19.6	In Situ
8/4/09	SS-7	0-6"	14,300	Excavated
9/28/09		1	3,910	Excavated
9/28/09		2	760	In Situ
9/28/09		3	253	In Situ
8/19/10		3	160	In Situ
8/4/09	SS-8	0-6"	113	In Situ
8/4/09	SS-9	0-6"	665	In Situ
8/4/09	SS-10	0-6"	2,890	Excavated
9/28/09		1	124	In Situ
9/28/09		2	61.1	In Situ
9/28/09		3	115	In Situ
8/4/09	SS-11	0-6"	873	In Situ
8/4/09	SS-12	0-6"	119	In Situ
9/28/09	SS-12	0-6"	6,020	Excavated
9/28/09		1	494	In Situ
9/28/09		2	409	In Situ
9/28/09		3	313	In Situ
9/28/09	SS-13	0-6"	22.3	In Situ
9/28/09		1	273	In Situ
9/28/09		2	109	In Situ
9/28/09		3	58.8	In Situ
9/28/09	SS-14	0-6"	38.5	In Situ
9/28/09	SS-15	0-6"	28.7	In Situ
9/28/09	SS-16	0-6"	<4.80	In Situ
9/28/09		1	5.82	In Situ
9/28/09		2	<4.70	In Situ
9/28/09		3	<4.62	In Situ
9/28/09	SS-17	0-6"	5.69	In Situ
9/28/09		1	<4.33	In Situ
9/28/09		2	37.5	In Situ
9/28/09		3	474	In Situ
9/28/09	SS-18	0-6"	117	In Situ
9/28/09	SS-19	0-6"	<4.23	In Situ
9/28/09	SS-20	0-6"	11.2	In Situ

Notes: Samples collected 8/4/09 and 9/28/09 analyzed by Xenco Laboratories, Odessa, TX.  
Samples collected 8/19/10 analyzed by Cardinal Laboratories, Hobbs, NM.  
1. BGS: Depth in feet below ground surface.  
2. mg/kg: Milligrams per kilogram.  
3. \*: Sample collected at surface of reserve pit.



## **APPENDIX A**

### **Laboratory Report and Chain of Custody Documentation**

# Analytical Report 339841

for

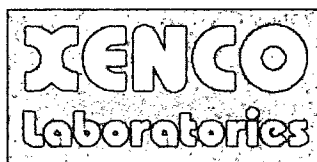
## Ocotillo Environmental, LLC

Project Manager: Cindy Crain

Chevron VGSU Satellite # 3 Trunkline

0809-001C

07-AUG-09



12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-08-TX), Arizona (AZ0738), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)  
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)  
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)  
Rhode Island (LAO00308), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):

Florida (E87428), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)  
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)

Xenco-Miramar (EPA Lab code: FL01246): Florida (E86349)

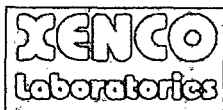
Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)

Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-08-TX)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-08-TX)

Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370-08-TX)

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07-AUG-09

Project Manager: **Cindy Crain**  
**Ocotillo Environmental, LLC**  
P.O. Box 1816  
Hobbs, NM 88241

Reference: XENCO Report No: **339841**  
**Chevron VGSU Satellite # 3 Trunkline**  
Project Address: Lea County, NM

**Cindy Crain:**

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 339841. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 339841 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

**Brent Barron, II**

Odessa Laboratory Manager

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*Certified and approved by numerous States and Agencies.*

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## Sample Cross Reference 339841



Ocotillo Environmental, LLC, Hobbs, NM

Chevron VGSU Satellite # 3 Trunkline

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SS-1	S	Aug-04-09 11:30	0 - 6 In	339841-001
SS-2	S	Aug-04-09 11:35	0 - 6 In	339841-002
SS-3	S	Aug-04-09 11:40	0 - 6 In	339841-003
SS-4	S	Aug-04-09 11:45	0 - 6 In	339841-004
SS-5	S	Aug-04-09 11:50	0 - 6 In	339841-005
SS-6	S	Aug-04-09 11:55	0 - 6 In	339841-006
SS-7	S	Aug-04-09 12:00	0 - 6 In	339841-007
SS-8	S	Aug-04-09 12:05	0 - 6 In	339841-008
SS-9	S	Aug-04-09 12:10	0 - 6 In	339841-009
SS-10	S	Aug-04-09 12:15	0 - 6 In	339841-010
SS-11	S	Aug-04-09 12:20	0 - 6 In	339841-011
SS-12	S	Aug-04-09 12:30	0 - 6 In	339841-012



## **CASE NARRATIVE**

*Client Name: Ocotillo Environmental, LLC*

*Project Name: Chevron VGSU Satellite # 3 Trunkline*

*Project ID: 0809-001C*

*Report Date: 07-AUG-09*

*Work Order Number: 339841*

*Date Received: 08/05/2009*

---

**Sample receipt non conformances and Comments:**

*None*

---

**Sample receipt Non Conformances and Comments per Sample:**

*None*

**Analytical Non Conformances and Comments:**

*Batch: LBA-767862 Inorganic Anions by EPA 300*

*None*

*Batch: LBA-767879 Percent Moisture*

*None*



# Certificate of Analysis Summary 339841

Ocotillo Environmental, LLC, Hobbs, NM



Project Id: 0809-001C

Contact: Cindy Crain

Project Name: Chevron VGSU Satellite # 3 Trunkline

Date Received in Lab: Wed Aug-05-09 04:00 pm

Report Date: 07-AUG-09


Project Location: Lea County, NM

Project Manager: Brent Barron, II

<i>Analysis Requested</i>	<i>Lab Id:</i>	339841-001	339841-002	339841-003	339841-004	339841-005	339841-006
	<i>Field Id:</i>	SS-1	SS-2	SS-3	SS-4	SS-5	SS-6
	<i>Depth:</i>	0-6 In	0-6 In	0-6 In	0-6 In	0-6 In	0-6 In
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Aug-04-09 11:30	Aug-04-09 11:35	Aug-04-09 11:40	Aug-04-09 11:45	Aug-04-09 11:50	Aug-04-09 11:55
<b>Anions by EPA 300</b>	<i>Extracted:</i>						
	<i>Analyzed:</i>	Aug-06-09 10:40	Aug-06-09 10:40	Aug-06-09 10:40	Aug-06-09 10:40	Aug-06-09 10:40	Aug-06-09 10:40
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		11400 542	216 10.9	457 11.7	44700 1040	4760 108	3270 51.5
<b>Percent Moisture</b>	<i>Extracted:</i>						
	<i>Analyzed:</i>	Aug-07-09 09:08	Aug-07-09 09:08	Aug-07-09 09:08	Aug-07-09 09:08	Aug-07-09 09:08	Aug-07-09 09:08
	<i>Units/RL:</i>	% RL	% RL	% RL	% RL	% RL	% RL
Percent Moisture		7.72 1.00	8.55 1.00	14.40 1.00	4.29 1.00	7.71 1.00	3.00 1.00

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use.  
The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories.  
XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented.  
Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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Brent Barron, II  
Odessa Laboratory Manager



# Certificate of Analysis Summary 339841

Ocotillo Environmental, LLC, Hobbs, NM

Project Name: Chevron VGSU Satellite # 3 Trunkline



Project Id: 0809-001C

Contact: Cindy Crain

Project Location: Lea County, NM

Date Received in Lab: Wed Aug-05-09 04:00 pm

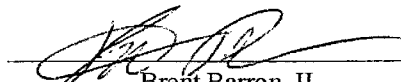
Report Date: 07-AUG-09

Project Manager: Brent Barron, II

<i>Analysis Requested</i>	<i>Lab Id:</i>	339841-007	339841-008	339841-009	339841-010	339841-011	339841-012
	<i>Field Id:</i>	SS-7	SS-8	SS-9	SS-10	SS-11	SS-12
	<i>Depth:</i>	0-6 In	0-6 In	0-6 In	0-6 In	0-6 In	0-6 In
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Aug-04-09 12:00	Aug-04-09 12:05	Aug-04-09 12:10	Aug-04-09 12:15	Aug-04-09 12:20	Aug-04-09 12:30
<b>Anions by EPA 300</b>	<i>Extracted:</i>	Aug-06-09 10:40	Aug-06-09 10:40	Aug-06-09 10:40	Aug-06-09 10:40	Aug-06-09 10:40	Aug-06-09 10:40
	<i>Analyzed:</i>	Aug-06-09 10:40	Aug-06-09 10:40	Aug-06-09 10:40	Aug-06-09 10:40	Aug-06-09 10:40	Aug-06-09 10:40
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		14300 215	113 5.61	665 10.8	2890 55.3	873 20.9	119 5.28
<b>Percent Moisture</b>	<i>Extracted:</i>	Aug-07-09 09:08	Aug-07-09 09:08	Aug-07-09 09:08	Aug-07-09 09:08	Aug-07-09 09:08	Aug-07-09 09:08
	<i>Analyzed:</i>	Aug-07-09 09:08	Aug-07-09 09:08	Aug-07-09 09:08	Aug-07-09 09:08	Aug-07-09 09:08	Aug-07-09 09:08
	<i>Units/RL:</i>	% RL	% RL	% RL	% RL	% RL	% RL
Percent Moisture		6.96 1.00	10.85 1.00	7.08 1.00	9.51 1.00	4.11 1.00	5.38 1.00

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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Brent Barron, II  
Odessa Laboratory Manager



## Flagging Criteria



- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the MQL and above the SQL.
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.
- JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.
- BRL** Below Reporting Limit.
- RL** Reporting Limit
- \* Outside XENCO's scope of NELAC Accreditation.

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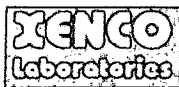
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4143 Greenbriar Dr, Stafford, Tx 77477  
9701 Harry Hines Blvd, Dallas, TX 75220  
5332 Blackberry Drive, San Antonio TX 78238  
2505 North Falkenburg Rd, Tampa, FL 33619  
5757 NW 158th St, Miami Lakes, FL 33014  
12600 West I-20 East, Odessa, TX 79765  
842 Cantwell Lane, Corpus Christi, TX 78408

Phone	Fax
(281) 240-4200	(281) 240-4280
(214) 902 0300	(214) 351-9139
(210) 509-3334	(210) 509-3335
(813) 620-2000	(813) 620-2033
(305) 823-8500	(305) 823-8555
(432) 563-1800	(432) 563-1713
(361) 884-0371	(361) 884-9116





# Blank Spike Recovery



**Project Name: Chevron VGSU Satellite # 3 Trunkline**

**Work Order #:** 339841

**Project ID:**

0809-001C

**Lab Batch #:** 767862

**Sample:** 767862-1-BKS

**Matrix:** Solid

**Date Analyzed:** 08/06/2009

**Date Prepared:** 08/06/2009

**Analyst:** LATCOR

**Reporting Units:** mg/kg

**Batch #:** 1

## BLANK /BLANK SPIKE RECOVERY STUDY

Anions by EPA 300 Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Chloride	ND	10.0	9.77	98	80-120	

Blank Spike Recovery [D] =  $100 * [C] / [B]$

All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit



# Form 3 - MS Recoveries



Project Name: Chevron VGSU Satellite # 3 Trunkline

Work Order #: 339841

Lab Batch #: 767862

Date Analyzed: 08/06/2009

QC- Sample ID: 339841-001 S

Reporting Units: mg/kg

Project ID: 0809-001C

Analyst: LATCOR

Date Prepared: 08/06/2009

Batch #: 1

Matrix: Soil

Inorganic Anions by EPA 300		MATRIX / MATRIX SPIKE RECOVERY STUDY				
Analytes		Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R
Chloride		11400	10800	21700	95	80-120

Matrix Spike Percent Recovery [D] =  $100 \times (C-A)/B$

Relative Percent Difference [E] =  $200 \times (C-A)/(C+B)$

All Results are based on MDL and Validated for QC Purposes

BRL - Below Reporting Limit



# Sample Duplicate Recovery



Project Name: Chevron VGUS Satellite # 3 Trunkline

Work Order #: 339841

Lab Batch #: 767862

Project ID: 0809-001C

Date Analyzed: 08/06/2009

Date Prepared: 08/06/2009

Analyst: LATCOR

QC- Sample ID: 339841-001 D

Batch #: 1

Matrix: Soil

Reporting Units: mg/kg

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Anions by EPA 300	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Chloride	11400	11500	1	20	

Lab Batch #: 767879

Date Prepared: 08/07/2009

Analyst: BEV

Date Analyzed: 08/07/2009

QC- Sample ID: 339838-001 D

Batch #: 1

Matrix: Soil

Reporting Units: %

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Percent Moisture	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Percent Moisture	11.3	11.4	1	20	

Spike Relative Difference RPD  $200 * |(B-A)/(B+A)|$

All Results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

# Environmental Lab of Texas

## CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East  
Odessa, Texas 79765

Phone: 432-563-1800  
Fax: 432-563-1713

Project Manager: Cindy Crain

Project Name: Chevron VGSU Satellite #3 Trunkline

Company Name: Ocotillo Environmental, LLC

Project #: 0809-001C

Company Address: PO Box 1816

Project Loc: Lea County, NM

City/State/Zip: Hobbs, NM 88241

PO #:

Telephone No: (575) 441-7244

Fax No: (432) 272-0304

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: Cindy Crain

e-mail: cindy.crain@gmail.com

(lab use only)

ORDER #: 339841

(lab use only)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																</	
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Special Instructions:

Relinquished by: <u>Cindy Crain</u>	Date: <u>8/5/09</u>	Time: <u>1600</u>	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by: ELOT: <u>Andrea Fern</u>	Date: <u>8.5.09</u>	Time: <u>16:00</u>

Laboratory Comments:

Sample Containers Intact? Y  
VOCs Free of Headspace? Y  
Labels on container(s) Don't lid  
Custody seals on container(s) Y  
Custody seals on cooler(s) Y  
Sample Hand Delivered by Sampler/Client Rep. ? Y  
by Courier? UPS DHL FedEx Lone Star  
Temperature Upon Receipt: 32.6 °C

Page 2 of 2

**Phone: 432-563-1800**  
**Fax: 432-563-1713**

e-mail: [cindy.crain@gmail.com](mailto:cindy.crain@gmail.com)

[illegible]

**Environmental Lab of Texas**  
Variance/ Corrective Action Report- Sample Log-In

Client: Ocotillo Env.  
Date/ Time: 8.5.09 16:00  
Lab ID #: 339841  
Initials: AL

**Sample Receipt Checklist**

Client Initials

#1	Temperature of container/ cooler?	<u>Yes</u>	No	<u>32.6 °C</u>	
#2	Shipping container in good condition?	<u>Yes</u>	No		
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	<u>Not Present</u>	
#4	Custody Seals intact on sample bottles/ container?	Yes	No	<u>Not Present</u>	
#5	Chain of Custody present?	<u>Yes</u>	No		
#6	Sample instructions complete of Chain of Custody?	<u>Yes</u>	No		
#7	Chain of Custody signed when relinquished/ received?	<u>Yes</u>	No		
#8	Chain of Custody agrees with sample label(s)?	Yes	No	<u>ID written on Cont./ Lid</u>	
#9	Container label(s) legible and intact?	Yes	No	<u>Not Applicable</u>	
#10	Sample matrix/ properties agree with Chain of Custody?	<u>Yes</u>	No		
#11	Containers supplied by ELOT?	<u>Yes</u>	No		
#12	Samples in proper container/ bottle?	<u>Yes</u>	No	See Below	
#13	Samples properly preserved?	<u>Yes</u>	No	See Below	
#14	Sample bottles intact?	<u>Yes</u>	No		
#15	Preservations documented on Chain of Custody?	<u>Yes</u>	No		
#16	Containers documented on Chain of Custody?	<u>Yes</u>	No		
#17	Sufficient sample amount for indicated test(s)?	<u>Yes</u>	No	See Below	
#18	All samples received within sufficient hold time?	<u>Yes</u>	No	See Below	
#19	Subcontract of sample(s)?	Yes	No	<u>Not Applicable</u>	
#20	VOC samples have zero headspace?	Yes	No	<u>Not Applicable</u>	

**Variance Documentation**

Contact: \_\_\_\_\_ Contacted by: \_\_\_\_\_ Date/ Time: \_\_\_\_\_  
Regarding: \_\_\_\_\_

Corrective Action Taken:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Check all that Apply:

☐ See attached e-mail/ fax

☐ Client understands and would like to proceed with analysis

☐ Cooling process had begun shortly after sampling event

# Analytical Report 346575

for

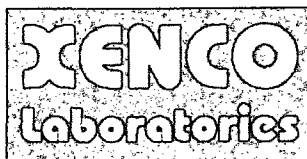
## Ocotillo Environmental, LLC

**Project Manager: Cindy Crain**

**Chevron VGSU Sat # 3 Trunkline**

**0809-001C**

**05-OCT-09**



**12600 West I-20 East Odessa, Texas 79765**

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-08-TX), Arizona (AZ0738), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)  
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)  
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)  
Rhode Island (LA000308), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):

Florida (E87428), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)  
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)

Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-08-TX)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-08-TX)

Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370-08-TX)

Xenco-Boca Raton (EPA Lab Code: FL00449): Florida (E86240),

South Carolina (96031001), Louisiana (04154), Georgia (917)



05-OCT-09

Project Manager: **Cindy Crain**  
**Ocotillo Environmental, LLC**  
P.O. Box 1816  
Hobbs, NM 88241

Reference: XENCO Report No: **346575**  
**Chevron VGSU Sat # 3 Trunkline**  
Project Address: Buckeye, NM

**Cindy Crain:**

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 346575. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 346575 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

---

**Brent Barron, II**

Odessa Laboratory Manager

*Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.*

*Certified and approved by numerous States and Agencies.*

*A Small Business and Minority Status Company that delivers SERVICE and QUALITY*

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Atlanta - Corpus Christi - Latin America





## Sample Cross Reference 346575



Ocotillo Environmental, LLC, Hobbs, NM

Chevron VGSU Sat # 3 Trunkline

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SS-12 (0-6")	S	Sep-28-09 10:30	0 - 6 In	346575-001
SS-12 (1')	S	Sep-28-09 10:35	1 - 1 ft	346575-002
SS-12 (2')	S	Sep-28-09 10:38	2 - 2 ft	346575-003
SS-12 (3')	S	Sep-28-09 10:40	3 - 3 ft	346575-004
SS-1 (1')	S	Sep-28-09 10:57	1 - 1 ft	346575-005
SS-1 (2')	S	Sep-28-09 11:00	2 - 2 ft	346575-006
SS-1 (3')	S	Sep-28-09 11:03	3 - 3 ft	346575-007
SS-1 (4')	S	Sep-28-09 11:49	4 - 4 ft	346575-008
SS-1 (5')	S	Sep-28-09 11:52	5 - 5 ft	346575-009
SS-5 (1')	S	Sep-28-09 13:20	1 - 1 ft	346575-010
SS-5 (2')	S	Sep-28-09 13:23	2 - 2 ft	346575-011
SS-5 (3')	S	Sep-28-09 13:26	3 - 3 ft	346575-012
SS-7 (1')	S	Sep-28-09 14:53	1 - 1 ft	346575-013
SS-7 (2')	S	Sep-28-09 14:56	2 - 2 ft	346575-014
SS-7 (3')	S	Sep-28-09 15:00	3 - 3 ft	346575-015
SS-13 (0-6")	S	Sep-28-09 11:30	0 - 6 In	346575-016
SS-13 (1')	S	Sep-28-09 11:33	1 - 1 ft	346575-017
SS-13 (2')	S	Sep-28-09 11:36	2 - 2 ft	346575-018
SS-13 (3')	S	Sep-28-09 11:40	3 - 3 ft	346575-019
SS-14 (0-6")	S	Sep-28-09 11:27	0 - 6 In	346575-020
SS-15 (0-6")	S	Sep-28-09 11:43	0 - 6 In	346575-021
SS-6 (1')	S	Sep-28-09 14:00	1 - 1 ft	346575-022
SS-6 (2')	S	Sep-28-09 14:03	2 - 2 ft	346575-023
SS-6 (3')	S	Sep-28-09 14:06	3 - 3 ft	346575-024
SS-16 (0-6")	S	Sep-28-09 14:18	0 - 6 In	346575-025
SS-16 (1')	S	Sep-28-09 14:20	1 - 1 ft	346575-026
SS-16 (2')	S	Sep-28-09 14:23	2 - 2 ft	346575-027
SS-16 (3')	S	Sep-28-09 14:26	3 - 3 ft	346575-028
SS-17 (0-6")	S	Sep-28-09 14:29	0 - 6 In	346575-029
SS-17 (1')	S	Sep-28-09 14:30	1 - 1 ft	346575-030
SS-17 (2')	S	Sep-28-09 14:33	2 - 2 ft	346575-031
SS-17 (3')	S	Sep-28-09 14:36	3 - 3 ft	346575-032
SS-18 (0-6")	S	Sep-28-09 14:40	0 - 6 In	346575-033
SS-19 (0-6")	S	Sep-28-09 15:10	0 - 6 In	346575-034
SS-10 (1')	S	Sep-28-09 15:40	1 - 1 ft	346575-035
SS-10 (2')	S	Sep-28-09 15:43	2 - 2 ft	346575-036
SS-10 (3')	S	Sep-28-09 15:46	3 - 3 ft	346575-037
SS-20 (0-6")	S	Sep-28-09 15:50	0 - 6 In	346575-038



## CASE NARRATIVE

*Client Name: Ocotillo Environmental, LLC*

*Project Name: Chevron VGSU Sat # 3 Trunkline*

*Project ID: 0809-001C*

*Work Order Number: 346575*

*Report Date: 05-OCT-09*

*Date Received: 09/30/2009*

---

**Sample receipt non conformances and Comments:**

None

---

**Sample receipt Non Conformances and Comments per Sample:**

None

**Analytical Non Conformances and Comments:**

Batch: LBA-775059 Percent Moisture

AD2216A

Batch 775059, Percent Moisture RPD is outside the QC limit. This is most likely due to sample non-homogeneity.

Samples affected are: 346575-010, -013, -015, -017, -019, -001, -004, -006, -011, -012, -018, -020, -007, -009, -002, -003, -005, -008, -014, -016.

Batch: LBA-775060 Percent Moisture

None

Batch: LBA-775314 Inorganic Anions by EPA 300

E300MI

Batch 775314, Chloride RPD is outside the QC limit. This is most likely due to sample non-homogeneity.

Samples affected are: 346575-010, -013, -015, -017, -019, -001, -004, -006, -011, -012, -018, -020, -007, -009, -002, -003, -005, -008, -014, -016.

E300MI

Batch 775314, Chloride recovered below QC limits in the Matrix Spike.

Samples affected are: 346575-010, -013, -015, -017, -019, -001, -004, -006, -011, -012, -018, -020, -007, -009, -002, -003, -005, -008, -014, -016.

The Laboratory Control Sample for Chloride is within laboratory Control Limits

Batch: LBA-775382 Inorganic Anions by EPA 300

None



# Certificate of Analysis Summary 346575

Ocotillo Environmental, LLC, Hobbs, NM

Project Name: Chevron VGSU Sat # 3 Trunkline



Project Id: 0809-001C

Contact: Cindy Crain

Project Location: Buckeye, NM

Date Received in Lab: Wed Sep-30-09 01:33 pm

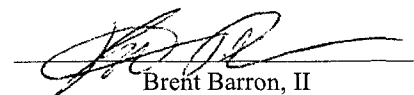
Report Date: 05-OCT-09

Project Manager: Brent Barron, II

Analysis Requested	Lab Id:	346575-001	346575-002	346575-003	346575-004	346575-005	346575-006
	Field Id:	SS-12 (0-6")	SS-12 (1')	SS-12 (2')	SS-12 (3')	SS-1 (1')	SS-1 (2')
	Depth:	0-6 In	1-1 ft	2-2 ft	3-3 ft	1-1 ft	2-2 ft
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sampled:	Sep-28-09 10:30	Sep-28-09 10:35	Sep-28-09 10:38	Sep-28-09 10:40	Sep-28-09 10:57	Sep-28-09 11:00
Anions by E300	Extracted:						
	Analyzed:	Oct-02-09 01:24	Oct-02-09 01:24	Oct-02-09 01:24	Oct-02-09 01:24	Oct-02-09 01:24	Oct-02-09 01:24
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		6020 173	494 9.86	409 9.13	313 9.12	2680 48.2	3200 100
Percent Moisture	Extracted:						
	Analyzed:	Oct-01-09 10:16	Oct-01-09 10:16	Oct-01-09 10:16	Oct-01-09 10:16	Oct-01-09 10:16	Oct-01-09 10:16
	Units/RL:	% RL	% RL	% RL	% RL	% RL	% RL
Percent Moisture		3.10 1.00	14.8 1.00	8.03 1.00	7.90 1.00	12.9 1.00	16.1 1.00

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Brent Barron, II  
Odessa Laboratory Manager



# Certificate of Analysis Summary 346575

Ocotillo Environmental, LLC, Hobbs, NM

Project Name: Chevron VGSU Sat # 3 Trunkline



Project Id: 0809-001C

Contact: Cindy Crain

Project Location: Buckeye, NM

Date Received in Lab: Wed Sep-30-09 01:33 pm

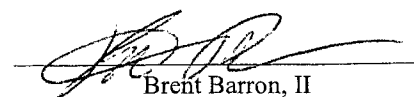
Report Date: 05-OCT-09

Project Manager: Brent Barron, II

<i>Analysis Requested</i>	<i>Lab Id:</i>	346575-007	346575-008	346575-009	346575-010	346575-011	346575-012
	<i>Field Id:</i>	SS-1 (3')	SS-1 (4')	SS-1 (5')	SS-5 (1')	SS-5 (2')	SS-5 (3')
	<i>Depth:</i>	3-3 ft	4-4 ft	5-5 ft	1-1 ft	2-2 ft	3-3 ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Sep-28-09 11:03	Sep-28-09 11:49	Sep-28-09 11:52	Sep-28-09 13:20	Sep-28-09 13:23	Sep-28-09 13:26
<b>Anions by E300</b>	<i>Extracted:</i>						
	<i>Analyzed:</i>	Oct-02-09 01:24	Oct-02-09 01:24	Oct-02-09 01:24	Oct-02-09 01:24	Oct-02-09 01:24	Oct-02-09 01:24
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		3070 95.9	3770 96.9	4590 102	1050 23.3	1010 18.1	337 17.9
<b>Percent Moisture</b>	<i>Extracted:</i>						
	<i>Analyzed:</i>	Oct-01-09 10:16	Oct-01-09 10:16	Oct-01-09 10:16	Oct-01-09 10:16	Oct-01-09 10:16	Oct-01-09 10:16
	<i>Units/RL:</i>	% RL	% RL	% RL	% RL	% RL	% RL
Percent Moisture		12.4 1.00	13.3 1.00	17.4 1.00	9.98 1.00	7.21 1.00	5.96 1.00

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Odessa Laboratory Manager



# Certificate of Analysis Summary 346575

Ocotillo Environmental, LLC, Hobbs, NM

Project Name: Chevron VGSU Sat # 3 Trunkline



Project Id: 0809-001C

Contact: Cindy Crain

Project Location: Buckeye, NM

Date Received in Lab: Wed Sep-30-09 01:33 pm


Report Date: 05-OCT-09

Project Manager: Brent Barron, II

<i>Analysis Requested</i>	<i>Lab Id:</i>	346575-013	346575-014	346575-015	346575-016	346575-017	346575-018
	<i>Field Id:</i>	SS-7 (1')	SS-7 (2')	SS-7 (3')	SS-13 (0-6")	SS-13 (1')	SS-13 (2')
	<i>Depth:</i>	1-1 ft	2-2 ft	3-3 ft	0-6 In	1-1 ft	2-2 ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Sep-28-09 14:53	Sep-28-09 14:56	Sep-28-09 15:00	Sep-28-09 11:30	Sep-28-09 11:33	Sep-28-09 11:36
Anions by E300	<i>Extracted:</i>						
	<i>Analyzed:</i>	Oct-02-09 01:24	Oct-02-09 01:24	Oct-02-09 01:24	Oct-02-09 01:24	Oct-02-09 01:24	Oct-02-09 01:24
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		3910 186	760 17.3	253 8.48	22.3 4.55	273 9.73	109 4.58
Percent Moisture	<i>Extracted:</i>						
	<i>Analyzed:</i>	Oct-01-09 10:16	Oct-01-09 10:16	Oct-01-09 10:16	Oct-01-09 10:16	Oct-01-09 10:16	Oct-01-09 10:16
	<i>Units/RL:</i>	% RL	% RL	% RL	% RL	% RL	% RL
Percent Moisture		9.90 1.00	2.72 1.00	ND 1.00	7.75 1.00	13.6 1.00	8.21 1.00

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Brent Barron, II  
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# Certificate of Analysis Summary 346575

Ocotillo Environmental, LLC, Hobbs, NM

Project Name: Chevron VGSU Sat # 3 Trunkline



Project Id: 0809-001C

Contact: Cindy Crain

Project Location: Buckeye, NM

Date Received in Lab: Wed Sep-30-09 01:33 pm


Report Date: 05-OCT-09

Project Manager: Brent Barron, II

<i>Analysis Requested</i>	<i>Lab Id:</i>	346575-019	346575-020	346575-021	346575-022	346575-023	346575-024
	<i>Field Id:</i>	SS-13 (3')	SS-14 (0-6")	SS-15 (0-6")	SS-6 (1')	SS-6 (2')	SS-6 (3')
	<i>Depth:</i>	3-3 ft	0-6 In	0-6 In	1-1 ft	2-2 ft	3-3 ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Sep-28-09 11:40	Sep-28-09 11:27	Sep-28-09 11:43	Sep-28-09 14:00	Sep-28-09 14:03	Sep-28-09 14:06
Anions by E300	<i>Extracted:</i>						
	<i>Analyzed:</i>	Oct-02-09 01:24	Oct-02-09 01:24	Oct-02-09 09:43	Oct-02-09 09:43	Oct-02-09 09:43	Oct-02-09 09:43
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		58.8 4.41	38.5 4.26	28.7 4.21	140 9.33	39.2 4.50	19.6 4.27
Percent Moisture	<i>Extracted:</i>						
	<i>Analyzed:</i>	Oct-01-09 10:16	Oct-01-09 10:16	Oct-01-09 10:24	Oct-01-09 10:24	Oct-01-09 10:24	Oct-01-09 10:24
	<i>Units/RL:</i>	% RL	% RL	% RL	% RL	% RL	% RL
Percent Moisture		4.84 1.00	1.30 1.00	ND 1.00	9.95 1.00	6.60 1.00	1.65 1.00

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Odessa Laboratory Manager



# Certificate of Analysis Summary 346575

Ocotillo Environmental, LLC, Hobbs, NM

Project Name: Chevron VGSU Sat # 3 Trunkline



Project Id: 0809-001C

Contact: Cindy Crain

Project Location: Buckeye, NM

Date Received in Lab: Wed Sep-30-09 01:33 pm


Report Date: 05-OCT-09

Project Manager: Brent Barron, II

<i>Analysis Requested</i>	<i>Lab Id:</i>	346575-025	346575-026	346575-027	346575-028	346575-029	346575-030
	<i>Field Id:</i>	SS-16 (0-6")	SS-16 (1')	SS-16 (2')	SS-16 (3')	SS-17 (0-6")	SS-17 (1')
	<i>Depth:</i>	0-6 In	1-1 ft	2-2 ft	3-3 ft	0-6 In	1-1 ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Sep-28-09 14:18	Sep-28-09 14:20	Sep-28-09 14:23	Sep-28-09 14:26	Sep-28-09 14:29	Sep-28-09 14:30
<b>Anions by E300</b>	<i>Extracted:</i>	Oct-02-09 09:43	Oct-02-09 09:43	Oct-02-09 09:43	Oct-02-09 09:43	Oct-02-09 09:43	Oct-02-09 09:43
	<i>Analyzed:</i>	Oct-02-09 09:43	Oct-02-09 09:43	Oct-02-09 09:43	Oct-02-09 09:43	Oct-02-09 09:43	Oct-02-09 09:43
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		ND 4.80	5.82 4.99	ND 4.70	ND 4.62	5.69 4.27	ND 4.33
<b>Percent Moisture</b>	<i>Extracted:</i>	Oct-01-09 10:24	Oct-01-09 10:24	Oct-01-09 10:24	Oct-01-09 10:24	Oct-01-09 10:24	Oct-01-09 10:24
	<i>Analyzed:</i>	Oct-01-09 10:24	Oct-01-09 10:24	Oct-01-09 10:24	Oct-01-09 10:24	Oct-01-09 10:24	Oct-01-09 10:24
	<i>Units/RL:</i>	% RL	% RL	% RL	% RL	% RL	% RL
Percent Moisture		12.6 1.00	15.8 1.00	10.6 1.00	9.08 1.00	1.59 1.00	2.95 1.00

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Brent Barron, II  
Odessa Laboratory Manager



# Certificate of Analysis Summary 346575

Ocotillo Environmental, LLC, Hobbs, NM

Project Name: Chevron VGSU Sat # 3 Trunkline



Project Id: 0809-001C

Contact: Cindy Crain

Project Location: Buckeye, NM

Date Received in Lab: Wed Sep-30-09 01:33 pm


Report Date: 05-OCT-09

Project Manager: Brent Barron, II

<i>Analysis Requested</i>	<i>Lab Id:</i>	346575-031	346575-032	346575-033	346575-034	346575-035	346575-036
	<i>Field Id:</i>	SS-17 (2')	SS-17 (3')	SS-18 (0-6")	SS-19 (0-6")	SS-10 (1')	SS-10 (2')
	<i>Depth:</i>	2-2 ft	3-3 ft	0-6 In	0-6 In	1-1 ft	2-2 ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Sep-28-09 14:33	Sep-28-09 14:36	Sep-28-09 14:40	Sep-28-09 15:10	Sep-28-09 15:40	Sep-28-09 15:43
<b>Anions by E300</b>	<i>Extracted:</i>						
	<i>Analyzed:</i>	Oct-02-09 09:43	Oct-02-09 09:43	Oct-02-09 09:43	Oct-02-09 09:43	Oct-02-09 09:43	Oct-02-09 09:43
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		37.5 17.3	474 176	117 4.23	ND 4.23	124 4.86	61.1 4.66
<b>Percent Moisture</b>	<i>Extracted:</i>						
	<i>Analyzed:</i>	Oct-01-09 10:24	Oct-01-09 10:24	Oct-01-09 10:24	Oct-01-09 10:24	Oct-01-09 10:24	Oct-01-09 10:24
	<i>Units/RL:</i>	% RL	% RL	% RL	% RL	% RL	% RL
Percent Moisture		2.89 1.00	4.29 1.00	ND 1.00	ND 1.00	13.5 1.00	9.80 1.00

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Odessa Laboratory Manager





# Certificate of Analysis Summary 346575

Ocotillo Environmental, LLC, Hobbs, NM

Project Name: Chevron VGSU Sat # 3 Trunkline



Project Id: 0809-001C

Contact: Cindy Crain

Project Location: Buckeye, NM

Date Received in Lab: Wed Sep-30-09 01:33 pm


Report Date: 05-OCT-09

Project Manager: Brent Barron, II

<b>Analysis Requested</b>	<b>Lab Id:</b>	346575-037	346575-038				
	<b>Field Id:</b>	SS-10 (3')	SS-20 (0-6")				
	<b>Depth:</b>	3-3 ft	0-6 In				
	<b>Matrix:</b>	SOIL	SOIL				
	<b>Sampled:</b>	Sep-28-09 15:46	Sep-28-09 15:50				
<b>Anions by E300</b>	<b>Extracted:</b>						
	<b>Analyzed:</b>	Oct-02-09 09:43	Oct-02-09 09:43				
	<b>Units/RL:</b>	mg/kg RL	mg/kg RL				
Chloride		115 4.59	11.2 4.23				
<b>Percent Moisture</b>	<b>Extracted:</b>						
	<b>Analyzed:</b>	Oct-01-09 10:24	Oct-01-09 10:24				
	<b>Units/RL:</b>	% RL	% RL				
Percent Moisture		8.57 1.00	ND 1.00				

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Odessa Laboratory Manager



## Flagging Criteria



- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the MQL and above the SQL.
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.
- JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

**BRL** Below Reporting Limit.

**RL** Reporting Limit

\* Outside XENCO's scope of NELAC Accreditation.

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5757 NW 158th St, Miami Lakes, FL 33014  
12600 West I-20 East, Odessa, TX 79765  
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(214) 902 0300	(214) 351-9139
(210) 509-3334	(210) 509-3335
(813) 620-2000	(813) 620-2033
(305) 823-8500	(305) 823-8555
(432) 563-1800	(432) 563-1713
(361) 884-0371	(361) 884-9116



## Blank Spike Recovery



Project Name: Chevron VGSU Sat # 3 Trunkline

Work Order #: 346575

Project ID:

0809-001C

Lab Batch #: 775314

Sample: 775314-1-BKS

Matrix: Solid

Date Analyzed: 10/02/2009

Date Prepared: 10/02/2009

Analyst: LATCOR

Reporting Units: mg/kg

Batch #: 1

### BLANK /BLANK SPIKE RECOVERY STUDY

Anions by E300 Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Chloride	ND	10.0	8.79	88	75-125	

Lab Batch #: 775382

Sample: 775382-1-BKS

Matrix: Solid

Date Analyzed: 10/02/2009

Date Prepared: 10/02/2009

Analyst: LATCOR

Reporting Units: mg/kg

Batch #: 1

### BLANK /BLANK SPIKE RECOVERY STUDY

Anions by E300 Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Chloride	ND	10.0	9.16	92	75-125	

Blank Spike Recovery [D] =  $100 * [C] / [B]$

All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit



### Form 3 - MS Recoveries



Project Name: Chevron VGSU Sat # 3 Trunkline

Work Order #: 346575

Lab Batch #: 775314

Date Analyzed: 10/02/2009

Date Prepared: 10/02/2009

Project ID: 0809-001C

Analyst: LATCOR

QC- Sample ID: 346575-001 S

Batch #: 1

Matrix: Soil

Reporting Units: mg/kg

#### MATRIX / MATRIX SPIKE RECOVERY STUDY

Inorganic Anions by EPA 300	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Analytes						
Chloride	6020	4130	7520	36	75-125	X

Lab Batch #: 775382

Date Analyzed: 10/02/2009

Date Prepared: 10/02/2009

Analyst: LATCOR

QC- Sample ID: 346575-021 S

Batch #: 1

Matrix: Soil

Reporting Units: mg/kg

#### MATRIX / MATRIX SPIKE RECOVERY STUDY

Inorganic Anions by EPA 300	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Analytes						
Chloride	28.7	100	108	79	75-125	

Matrix Spike Percent Recovery [D] =  $100 \times (C-A)/B$

Relative Percent Difference [E] =  $200 \times (C-A)/(C+B)$

All Results are based on MDL and Validated for QC Purposes

BRL - Below Reporting Limit



## Sample Duplicate Recovery



Project Name: Chevron VGSU Sat # 3 Trunkline

Work Order #: 346575

Lab Batch #: 775314

Project ID: 0809-001C

Date Analyzed: 10/02/2009

Date Prepared: 10/02/2009

Analyst: LATCOR

QC- Sample ID: 346575-001 D

Batch #: 1

Matrix: Soil

Reporting Units: mg/kg

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Anions by E300	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Chloride	6020	4750	24	20	F

Lab Batch #: 775382

Date Analyzed: 10/02/2009

Date Prepared: 10/02/2009

Analyst: LATCOR

QC- Sample ID: 346575-021 D

Batch #: 1

Matrix: Soil

Reporting Units: mg/kg

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Anions by E300	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Chloride	28.7	29.0	1	20	

Lab Batch #: 775059

Date Analyzed: 10/01/2009

Date Prepared: 10/01/2009

Analyst: BEV

QC- Sample ID: 346575-001 D

Batch #: 1

Matrix: Soil

Reporting Units: %

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Percent Moisture	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Percent Moisture	3.10	5.54	56	20	F

Lab Batch #: 775060

Date Analyzed: 10/01/2009

Date Prepared: 10/01/2009

Analyst: BEV

QC- Sample ID: 346575-021 D

Batch #: 1

Matrix: Soil

Reporting Units: %

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Percent Moisture	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Percent Moisture	ND	ND	NC	20	

Spike Relative Difference  $RPD = 200 * |(B-A)/(B+A)|$

All Results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

## Environmental Lab of Texas

## CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East  
Odessa, Texas 79765

Phone: 432-563-1800  
Fax: 432-563-1713

Project Manager: Cindy Crain

Project Name: Chevron VGSU Sat #3 Trunkline

Company Name Ocotillo Environmental, LLC

Project #: 0809-001C

Company Address: PO Box 1816

Project Loc: Buckeye, NM

City/State/Zip: Hobbs, NM 88241

PO #: \_\_\_\_\_

Telephone No: (575) 441-7244 Fax No: (432) 272-0304

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature:  e-mail: [cindy.crain@gmail.com](mailto:cindy.crain@gmail.com)

e-mail: [cindy.crain@gmail.com](mailto:cindy.crain@gmail.com)

[illegible]

Page 2 of 4

## CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East  
Odessa, Texas 79765

Phone: 432-563-1800  
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Project Manager: Cindy Crain

Project Name: Chevron VGSU Sat #3 Trunkline

Company Name Ocotillo Environmental, LLC

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PO #: \_\_\_\_\_

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Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature:  e-mail: cindy.crain@gmail.com

e-mail: [cindy.crain@gmail.com](mailto:cindy.crain@gmail.com)

[illegible]





## Environmental Lab of Texas

## CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East  
Odessa, Texas 79765

Phone: 432-563-1800  
Fax: 432-563-1713

Project Manager: Cindy Crain

Project Name: Chevron VGSU Sat #3 Trunkline

Company Name Ocotillo Environmental, LLC

Project #: 0809-001C

Company Address: PO Box 1816

Project Loc: Buckeye, NM

City/State/Zip: Hobbs, NM 88241

PO #: \_\_\_\_\_

Telephone No: (575) 441-7244 Fax No: (432) 272-0304

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: Cindy Crain e-mail: cindy.crain@gmail.com

e-mail: [cindy.crain@gmail.com](mailto:cindy.crain@gmail.com)

[illegible]

**Environmental Lab of Texas**  
Variance/ Corrective Action Report- Sample Log-In

Client: Ocotillo Env.  
Date/ Time: 9.30.09 13:33  
Lab ID #: 346575  
Initials: AL

**Sample Receipt Checklist**

			Client Initials	
#1	Temperature of container/ cooler?	<u>(Yes)</u>	No	<u>23.6 °C</u>
#2	Shipping container in good condition?	<u>(Yes)</u>	No	
#3	Custody Seals intact on shipping container/ cooler?	<u>(Yes)</u>	No	<u>Not Present</u>
#4	Custody Seals intact on sample bottles/ container?	<u>(Yes)</u>	No	<u>Not Present</u>
#5	Chain of Custody present?	<u>(Yes)</u>	No	
#6	Sample instructions complete of Chain of Custody?	<u>(Yes)</u>	No	
#7	Chain of Custody signed when relinquished/ received?	<u>(Yes)</u>	No	
#8	Chain of Custody agrees with sample label(s)?	<u>(Yes)</u>	No	<u>Written on Cont. Lid</u>
#9	Container label(s) legible and intact?	<u>(Yes)</u>	No	<u>Not Applicable</u>
#10	Sample matrix/ properties agree with Chain of Custody?	<u>(Yes)</u>	No	
#11	Containers supplied by ELOT?	<u>(Yes)</u>	No	
#12	Samples in proper container/ bottle?	<u>(Yes)</u>	No	<u>See Below</u>
#13	Samples properly preserved?	<u>(Yes)</u>	No	<u>See Below</u>
#14	Sample bottles intact?	<u>(Yes)</u>	No	
#15	Preservations documented on Chain of Custody?	<u>(Yes)</u>	No	
#16	Containers documented on Chain of Custody?	<u>(Yes)</u>	No	
#17	Sufficient sample amount for indicated test(s)?	<u>(Yes)</u>	No	<u>See Below</u>
#18	All samples received within sufficient hold time?	<u>(Yes)</u>	No	<u>See Below</u>
#19	Subcontract of sample(s)?	<u>(Yes)</u>	No	<u>Not Applicable</u>
#20	VOC samples have zero headspace?	<u>(Yes)</u>	No	<u>Not Applicable</u>

**Variance Documentation**

Contact: \_\_\_\_\_ Contacted by: \_\_\_\_\_ Date/ Time: \_\_\_\_\_

Regarding: \_\_\_\_\_

Corrective Action Taken: \_\_\_\_\_

- Check all that Apply:
- ☐ See attached e-mail/ fax
  - ☐ Client understands and would like to proceed with analysis
  - ☐ Cooling process had begun shortly after sampling event



August 23, 2010

Cindy Crain  
Ocotillo Environmental, LLC  
P.O. Box 1816  
Hobbs, NM 88241

RE: VGSAU SAT #3

Enclosed are the results of analyses for samples received by the laboratory on 08/19/10 15:27.

Cardinal Laboratories is accredited through Texas NELAP for:

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

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene  
Lab Director/Quality Manager

**Analytical Results For:**

 Ocotillo Environmental, LLC  
 Cindy Crain  
 P.O. Box 1816  
 Hobbs NM, 88241  
 Fax To: (432) 272-0304

 Received: 08/19/2010  
 Reported: 08/23/2010  
 Project Name: VGSAU SAT #3  
 Project Number: 0809-001C  
 Project Location: BUCKEYE, NM

 Sampling Date: 08/19/2010  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Celey D. Keene

**Sample ID: SS #1 - 6' (H020672-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/20/2010	ND	416	104	400	3.77	

**Sample ID: SS #1 - 7' (H020672-02)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	752	16.0	08/20/2010	ND	416	104	400	3.77	

**Sample ID: SS #7 - 3' (H020672-03)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	08/20/2010	ND	416	104	400	3.77	

Cardinal Laboratories

\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

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

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Cardinal Laboratories

\*==Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



# **CARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>CARDINAL ENVIRONMENTAL</u>		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>																					
Project Manager: <u>CINDY CRAIN</u>		P.O. #:																							
Address: <u>PO Box 1816</u>		Company:																							
City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88241</u>		Attn: <u>SAME</u>																							
Phone #: <u>575-393-6371</u> Fax #: <u>432-772-6304</u>		Address:																							
Project #: <u>CSES-CCIC</u> Project Owner: <u>CHAD</u>		City:																							
Project Name: <u>V6SAK SAT #3 TRUCKING</u>		State: Zip:																							
Project Location: <u>Beckey</u>		Phone #:																							
Sampler Name: <u>Robert D. Jones</u>		Fax #:																							
FOR LAB USE ONLY																									
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.		SAMPLING														
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE/COOL	OTHER:											DATE	TIME	
<u>H20672-1</u>	<u>SS #1-0'</u>	<u>1</u>	<u>1</u>										<u>8-16-10</u>	<u>11:30A</u>	<u>1</u>										
<u>2</u>	<u>SS #1-7'</u>	<u>1</u>	<u>1</u>										<u>8-16-10</u>	<u>11:30A</u>	<u>1</u>										
<u>3</u>	<u>SS #7-3'</u>	<u>1</u>	<u>1</u>										<u>8-16-10</u>	<u>12:10P</u>	<u>1</u>										

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Relinquished By:	Date:	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
	Time:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:
Relinquished By: <u>[Signature]</u>	Date: <u>8-16-10</u>	Received By: <u>[Signature]</u>	REMARKS: <u>EMAIL LOWER CASE</u>
	Time: <u>3:27</u>		<u>EMAIL CINDY.CRAIN@GMAIL.COM</u>
Delivered By: (Circle One)	Sample Condition		CHECKED BY: (Initials)
<u>Sampler - UPS - Bus - Other:</u>	<u>27°C</u> <input type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<u>CSH</u>

FORM-006  
Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

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**FINAL C-141 FORM**