



Vega 29 Federal Com 1H Battery

REMEDIATION WORK PLAN

API No. 30-015-41624 (Vega 29 Federal Com 3H)

Release Date: 10/04/2014

Unit Letter B, Section 29, Township 19 South, Range 31 East

October 23, 2014

Prepared by:

Environmental Department
Diversified Field Service, Inc.

3412 N. Dal Paso
Hobbs, NM 88240
Phone: (575)964-8394
Fax: (575)393-8396

Mike Bratcher
Environmental Specialist
NM Oil Conservation District – Division 2
811 S. First St.
Artesia, NM 88210

RE: Devon Energy Vega 29 Federal Com 1H Battery (Vega 29 Fed Com 3H)
UL/B, Section 29, T19S, R31E
API No. 30-015-41624 (3H)

Mr. Bratcher,

Devon Energy has retained Diversified Field Service, Inc. (DFSI) to address environmental issues for the site detailed herein.

The site is located south west of Maljamar NM, in Eddy County. The leak site resulted from a produced water leak. The source of the leak was due to Arapahoe Oilfield Services failed to haul fluid causing the frac tanks to overflow. A C-141 was submitted to the NMOCD on August 06, 2014 (2RP-2533 – see attached). The release stayed on location, no fluids entered the pasture area.

Site Assessment and Delineation

On October 4th, 2014, DFSI personnel obtained surface samples of the leak area, which included SP1-SP14. On October 8th, 2014 delineation took place on all 14 sample points. We returned to the site on October 9th, to retrieve clean bottom hole samples for SP1, SP12 and SP13. All of the sample points cleaned up below the required levels except for SP7 which was 40mg/kg over the required 1000mg/kg level, this SP will be field sampled and taken to the lab during the excavation process. The analyticals from the second sampling event were accepted by Cardinal Labs of Hobbs with the sample condition of cool and intact at -7 degrees Celsius. No field blank sampling was done during the field delineation process.

Field samples were taken on fourteen sample points, each sample was tested for chlorides levels as well as TPH. The TPH samples were performed using a Mini Rae Photoionization Detector (PID). All clean field samples found under the BLM/NMOCD standards, were taken to Cardinal Lab of Hobbs to obtain confirmation samples. And the results confirmed that bottom samples of each sample point were as follows:

SP1: 1'bgs – 464 mg/kg Cl⁻, <0.300 mg/kg BTEX, <10 mg/kg GRO & 53.3 mg/kg DRO 8015M
SP2: 1'bgs – 160 mg/kg Cl⁻, <0.300 mg/kg BTEX, <10 mg/kg TPH 8015M
SP3: 1'bgs – 560 mg/kg Cl⁻, <0.300 mg/kg BTEX, <10 mg/kg TPH 8015M
SP4: 1'bgs – 288 mg/kg Cl⁻, <0.300 mg/kg BTEX, <10 mg/kg TPH 8015M
SP5: 1'bgs – 560 mg/kg Cl⁻, <0.300 mg/kg BTEX, <10 mg/kg TPH 8015M
SP6: 1'bgs – 784 mg/kg Cl⁻, <0.300 mg/kg BTEX, <10 mg/kg TPH 8015M
SP7: 1'bgs – 960 mg/kg Cl⁻, <0.300 mg/kg BTEX, <10 mg/kg TPH 8015M
SP8: 1'bgs – 496 mg/kg Cl⁻, <0.300 mg/kg BTEX, <10 mg/kg TPH 8015M
SP9: 1'bgs – 592 mg/kg, Cl⁻, <0.300 mg/kg BTEX, <10 mg/kg TPH 8015M
SP10: 1'bgs – 320 mg/kg, Cl⁻, <0.300 mg/kg BTEX, <10 mg/kg TPH 8015M
SP11: 1'bgs – 384 mg/kg, Cl⁻, <0.300 mg/kg BTEX, <10 mg/kg TPH 8015M
SP12: 2'bgs – 416 mg/kg, Cl⁻, <0.300 mg/kg BTEX, <10 mg/kg TPH 8015M
SP13: 5'bgs – 320 mg/kg, Cl⁻, <0.300 mg/kg BTEX, <10 mg/kg TPH 8015M
SP14: 4'bgs – 416 mg/kg, Cl⁻, <0.300 mg/kg BTEX, <10 mg/kg TPH 8015M

DFSI has conducted a groundwater study of the area and has determined that according to the New Mexico Office of the State Engineer the average depth to groundwater for this area is 236 foot below ground surface. Therefore, no eminent danger of groundwater impact or threat to life is anticipated.

Conclusion

After careful review DFSI on behalf of Devon Energy would like to propose the following:

Excavate the majority of the 13,656 sq. ft. area of impacted soil to 1'bgs, which includes SP1-SP11, SP12 will be excavated to 2'bgs, SP13 to 5'bgs and SP14 to 4'bgs; haul the contaminated soil to an approved disposal site, and backfill with fresh imported caliche, then the location pad will be compacted and contoured.

Side wall samples will be taken during the excavation procedure to ensure that all contaminants have been remediated. These samples will also be taken to an approved lab for confirmation before backfilling will take place.

Following the approval of one of the above remediation plan and after the remediation has taken place, DFSI will submit all proper closure documentation to the NMOCD and BLM in accordance to the State and Federal Guidelines set forth.

Please feel free to contact me with any questions concerning this remediation plan request.

Sincerely,



Natalie Gladden
Environmental Director
Diversified Field Service, Inc.
206 West Snyder
Hobbs, NM 88240
Office: (575)964-8394
Mobile: (575)602-1786
Fax: (575)964-8396
Email: ngladden@diversifiedfsi.com

cc Jeff Robertson
NM Bureau of Land Management

Attachments: Initial Form C-141
Site/Sample Map
Sample Data
Lab Analytical Data

NM OIL CONSERVATION
ARTESIA DISTRICT

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., 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

OCT 06 2014 Form C-141
Revised August 8, 2011
Submit 1 Copy to appropriate District Office in
conformance with 19.15.29 NMAC.
RECEIVED

Release Notification and Corrective Action

NAB1428154809

OPERATOR Initial Report Final Report

Name of Company Devon Energy <i>U137</i>	Contact Rudy Zuniga (Production Foreman)
Address PO Box 250 Artesia, NM 88211	Telephone No. (575) 390-5435
Facility Name Vega 29 Federal Com 1H Battery (closest well - Vega 29 Fed Com 3H)	Facility Type Oil and Gas Production
Surface Owner BLM	Mineral Owner BLM
API No. 30-015-41624 (3H)	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
B	29	19S	31E	147'	North Line	2470'	East Line	Eddy County

Latitude 32.63837 Longitude -103.89069

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 35	Volume Recovered 20
Source of Release Failure to haul fluid (Arapahoe)	Date and Hour of Occurrence 10/04/2014 11am	Date and Hour of Discovery 10/04/2014 11am
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	
By Whom? Natalie Gladden (DFSI Environmental)	Date and Hour 10/06/2014 10am - BLM J. Robertson/10:02am NMOCD M. Bratcher	
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.* Arapahoe Trucking failed to haul fluid causing the tanks to overflow. A vacuum truck was called out to recover standing fluid and was able to recover approximately 20bbls of produced water. DFSI completed the Environmental Assessment, mapped the site and surface samples.		
Describe Area Affected and Cleanup Action Taken.* A total of 13,656 sq. ft. of impacted surface was determined. Twelve sample points were set, sampled and will be delineated. Once the site has been fully delineated a Remediation Work Plan will be submitted to both the BLM/NMOCD. All rules and regulations will be followed to closure of this site.		
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>Stacie Singleton</i>	OIL CONSERVATION DIVISION	
Printed Name: Stacie Singleton	Approved by Environmental Specialist: <i>Mike Bratcher</i>	
Title: Environmental Professional	Approval Date: 10/8/14	Expiration Date: N/A
E-mail Address: Stacie.singleton@dvn.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 10/06/2014 Phone: (575) 513-2129	Remediation per O.C.D. Rules & Guidelines	

SUBMIT REMEDIATION PROPOSAL NO
LATER THAN: 10/8/14 **28P-2533**

* Attach Additional Sheets If Necessary

Site Diagram

Devon, Vega Federal Battery 29-1
Sec. 29 T19S R31E
Eddy County, NM
Drafted By: Lance Crenshaw, 10-4-14

0 0.00325 0.0065 0.013 Miles

Legend

Misc_points

Types

- Electrical Box
- Power Pole
- Headers
- Injection
- Pumpjacks
- Tanks
- Valves
- Other
- sample_pts
- Source

Pipeline

Type

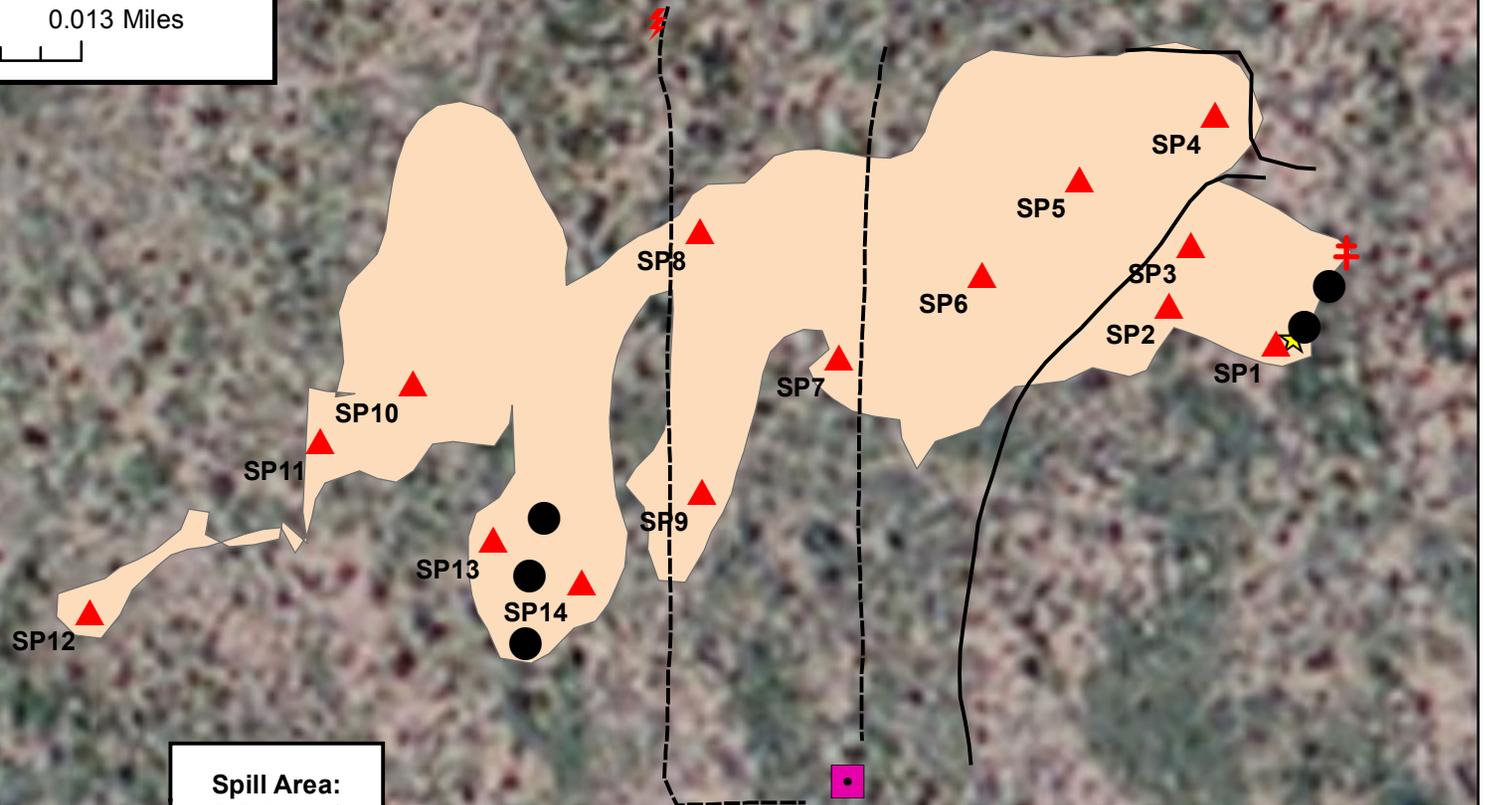
- Above Ground Line
- Buried Line

Spill

- <all other values>

Spill_Media

- Oil and Produced H2O
- Oil
- Other
- Produced Water



Spill Area:
13,656 sq. ft.

Lance Crenshaw
 GIS Technician

Soil Remediation and Ground Water Remediation
 Environmental Assessments
 Regulatory Compliance



Environmental **DFSI** Services

Office: 575-964-8394
 Fax: 575-964-8396

Cell: 575-441-2359
 Email: lcrenshaw@diversifiedfsi.com

Source: Esri, DigitalGlobe, GeoEye, IGN, swisstopo, and the GIS User Community



October 13, 2014

NATALIE GLADDEN

DIVERSIFIED FIELD SERVICES, INC.

P. O. BOX 5966

HOBBS, NM 88241

RE: DEVON VEGA 29 FEDERAL 1 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 10/10/14 8:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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 (V1, 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,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 DIVERSIFIED FIELD SERVICES, INC.
 NATALIE GLADDEN
 P. O. BOX 5966
 HOBBS NM, 88241
 Fax To: (575) 393-2981

Received:	10/10/2014	Sampling Date:	10/08/2014
Reported:	10/13/2014	Sampling Type:	Soil
Project Name:	DEVON VEGA 29 FEDERAL 1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	16708	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 1' (H403118-01)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2014	ND	1.59	79.6	2.00	14.5	
Toluene*	<0.050	0.050	10/10/2014	ND	1.55	77.5	2.00	14.1	
Ethylbenzene*	<0.050	0.050	10/10/2014	ND	1.47	73.7	2.00	15.0	
Total Xylenes*	<0.150	0.150	10/10/2014	ND	4.37	72.8	6.00	15.5	
Total BTEX	<0.300	0.300	10/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	10/12/2014	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/10/2014	ND	173	86.7	200	5.56	
DRO >C10-C28	53.3	10.0	10/10/2014	ND	182	90.8	200	6.81	

Surrogate: 1-Chlorooctane 94.2 % 47.2-157
Surrogate: 1-Chlorooctadecane 108 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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 DIVERSIFIED FIELD SERVICES, INC.
 NATALIE GLADDEN
 P. O. BOX 5966
 HOBBS NM, 88241
 Fax To: (575) 393-2981

Received:	10/10/2014	Sampling Date:	10/08/2014
Reported:	10/13/2014	Sampling Type:	Soil
Project Name:	DEVON VEGA 29 FEDERAL 1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	16708	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 2' (H403118-02)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2014	ND	1.59	79.6	2.00	14.5	
Toluene*	<0.050	0.050	10/10/2014	ND	1.55	77.5	2.00	14.1	
Ethylbenzene*	<0.050	0.050	10/10/2014	ND	1.47	73.7	2.00	15.0	
Total Xylenes*	<0.150	0.150	10/10/2014	ND	4.37	72.8	6.00	15.5	
Total BTEX	<0.300	0.300	10/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	10/12/2014	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/10/2014	ND	173	86.7	200	5.56	
DRO >C10-C28	105	10.0	10/10/2014	ND	182	90.8	200	6.81	

Surrogate: 1-Chlorooctane 102 % 47.2-157

Surrogate: 1-Chlorooctadecane 115 % 52.1-176

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 DIVERSIFIED FIELD SERVICES, INC.
 NATALIE GLADDEN
 P. O. BOX 5966
 HOBBS NM, 88241
 Fax To: (575) 393-2981

Received:	10/10/2014	Sampling Date:	10/08/2014
Reported:	10/13/2014	Sampling Type:	Soil
Project Name:	DEVON VEGA 29 FEDERAL 1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	16708	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ 1' (H403118-03)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2014	ND	1.59	79.6	2.00	14.5	
Toluene*	<0.050	0.050	10/10/2014	ND	1.55	77.5	2.00	14.1	
Ethylbenzene*	<0.050	0.050	10/10/2014	ND	1.47	73.7	2.00	15.0	
Total Xylenes*	<0.150	0.150	10/10/2014	ND	4.37	72.8	6.00	15.5	
Total BTEX	<0.300	0.300	10/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	10/12/2014	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/10/2014	ND	173	86.7	200	5.56	
DRO >C10-C28	<10.0	10.0	10/10/2014	ND	182	90.8	200	6.81	

Surrogate: 1-Chlorooctane 96.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 106 % 52.1-176

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 DIVERSIFIED FIELD SERVICES, INC.
 NATALIE GLADDEN
 P. O. BOX 5966
 HOBBS NM, 88241
 Fax To: (575) 393-2981

Received:	10/10/2014	Sampling Date:	10/08/2014
Reported:	10/13/2014	Sampling Type:	Soil
Project Name:	DEVON VEGA 29 FEDERAL 1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	16708	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ 2' (H403118-04)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2014	ND	1.59	79.6	2.00	14.5	
Toluene*	<0.050	0.050	10/10/2014	ND	1.55	77.5	2.00	14.1	
Ethylbenzene*	<0.050	0.050	10/10/2014	ND	1.47	73.7	2.00	15.0	
Total Xylenes*	<0.150	0.150	10/10/2014	ND	4.37	72.8	6.00	15.5	
Total BTEX	<0.300	0.300	10/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	10/12/2014	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/10/2014	ND	173	86.7	200	5.56	
DRO >C10-C28	<10.0	10.0	10/10/2014	ND	182	90.8	200	6.81	

Surrogate: 1-Chlorooctane 95.5 % 47.2-157
Surrogate: 1-Chlorooctadecane 105 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

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 HOBBS NM, 88241
 Fax To: (575) 393-2981

Received:	10/10/2014	Sampling Date:	10/08/2014
Reported:	10/13/2014	Sampling Type:	Soil
Project Name:	DEVON VEGA 29 FEDERAL 1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	16708	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: SP 3 @ 1' (H403118-05)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2014	ND	1.59	79.6	2.00	14.5	
Toluene*	<0.050	0.050	10/10/2014	ND	1.55	77.5	2.00	14.1	
Ethylbenzene*	<0.050	0.050	10/10/2014	ND	1.47	73.7	2.00	15.0	
Total Xylenes*	<0.150	0.150	10/10/2014	ND	4.37	72.8	6.00	15.5	
Total BTEX	<0.300	0.300	10/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	10/12/2014	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/10/2014	ND	173	86.7	200	5.56	
DRO >C10-C28	<10.0	10.0	10/10/2014	ND	182	90.8	200	6.81	

Surrogate: 1-Chlorooctane 99.3 % 47.2-157

Surrogate: 1-Chlorooctadecane 108 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 DIVERSIFIED FIELD SERVICES, INC.
 NATALIE GLADDEN
 P. O. BOX 5966
 HOBBS NM, 88241
 Fax To: (575) 393-2981

Received:	10/10/2014	Sampling Date:	10/08/2014
Reported:	10/13/2014	Sampling Type:	Soil
Project Name:	DEVON VEGA 29 FEDERAL 1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	16708	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: SP 3 @ 2' (H403118-06)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2014	ND	1.59	79.6	2.00	14.5	
Toluene*	<0.050	0.050	10/10/2014	ND	1.55	77.5	2.00	14.1	
Ethylbenzene*	<0.050	0.050	10/10/2014	ND	1.47	73.7	2.00	15.0	
Total Xylenes*	<0.150	0.150	10/10/2014	ND	4.37	72.8	6.00	15.5	
Total BTEX	<0.300	0.300	10/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	10/12/2014	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/10/2014	ND	173	86.7	200	5.56	
DRO >C10-C28	<10.0	10.0	10/10/2014	ND	182	90.8	200	6.81	

Surrogate: 1-Chlorooctane 99.8 % 47.2-157

Surrogate: 1-Chlorooctadecane 106 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 DIVERSIFIED FIELD SERVICES, INC.
 NATALIE GLADDEN
 P. O. BOX 5966
 HOBBS NM, 88241
 Fax To: (575) 393-2981

Received:	10/10/2014	Sampling Date:	10/08/2014
Reported:	10/13/2014	Sampling Type:	Soil
Project Name:	DEVON VEGA 29 FEDERAL 1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	16708	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: SP 4 @ 1' (H403118-07)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2014	ND	1.59	79.6	2.00	14.5	
Toluene*	<0.050	0.050	10/10/2014	ND	1.55	77.5	2.00	14.1	
Ethylbenzene*	<0.050	0.050	10/10/2014	ND	1.47	73.7	2.00	15.0	
Total Xylenes*	<0.150	0.150	10/10/2014	ND	4.37	72.8	6.00	15.5	
Total BTEX	<0.300	0.300	10/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	10/12/2014	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/10/2014	ND	173	86.7	200	5.56	
DRO >C10-C28	<10.0	10.0	10/10/2014	ND	182	90.8	200	6.81	

Surrogate: 1-Chlorooctane 94.2 % 47.2-157

Surrogate: 1-Chlorooctadecane 103 % 52.1-176

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Analytical Results For:

 DIVERSIFIED FIELD SERVICES, INC.
 NATALIE GLADDEN
 P. O. BOX 5966
 HOBBS NM, 88241
 Fax To: (575) 393-2981

Received:	10/10/2014	Sampling Date:	10/08/2014
Reported:	10/13/2014	Sampling Type:	Soil
Project Name:	DEVON VEGA 29 FEDERAL 1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	16708	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: SP 4 @ 2' (H403118-08)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2014	ND	1.59	79.6	2.00	14.5	
Toluene*	<0.050	0.050	10/10/2014	ND	1.55	77.5	2.00	14.1	
Ethylbenzene*	<0.050	0.050	10/10/2014	ND	1.47	73.7	2.00	15.0	
Total Xylenes*	<0.150	0.150	10/10/2014	ND	4.37	72.8	6.00	15.5	
Total BTEX	<0.300	0.300	10/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	10/12/2014	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/10/2014	ND	173	86.7	200	5.56	
DRO >C10-C28	<10.0	10.0	10/10/2014	ND	182	90.8	200	6.81	

Surrogate: 1-Chlorooctane 98.2 % 47.2-157

Surrogate: 1-Chlorooctadecane 106 % 52.1-176

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 P. O. BOX 5966
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 Fax To: (575) 393-2981

Received:	10/10/2014	Sampling Date:	10/08/2014
Reported:	10/13/2014	Sampling Type:	Soil
Project Name:	DEVON VEGA 29 FEDERAL 1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	16708	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: SP 5 @ 1' (H403118-09)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2014	ND	1.59	79.6	2.00	14.5	
Toluene*	<0.050	0.050	10/10/2014	ND	1.55	77.5	2.00	14.1	
Ethylbenzene*	<0.050	0.050	10/10/2014	ND	1.47	73.7	2.00	15.0	
Total Xylenes*	<0.150	0.150	10/10/2014	ND	4.37	72.8	6.00	15.5	
Total BTEX	<0.300	0.300	10/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	896	16.0	10/12/2014	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/10/2014	ND	173	86.7	200	5.56	
DRO >C10-C28	<10.0	10.0	10/10/2014	ND	182	90.8	200	6.81	

Surrogate: 1-Chlorooctane 98.3 % 47.2-157

Surrogate: 1-Chlorooctadecane 107 % 52.1-176

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Received:	10/10/2014	Sampling Date:	10/08/2014
Reported:	10/13/2014	Sampling Type:	Soil
Project Name:	DEVON VEGA 29 FEDERAL 1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	16708	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: SP 5 @ 2' (H403118-10)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2014	ND	1.59	79.6	2.00	14.5	
Toluene*	<0.050	0.050	10/10/2014	ND	1.55	77.5	2.00	14.1	
Ethylbenzene*	<0.050	0.050	10/10/2014	ND	1.47	73.7	2.00	15.0	
Total Xylenes*	<0.150	0.150	10/10/2014	ND	4.37	72.8	6.00	15.5	
Total BTEX	<0.300	0.300	10/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	10/12/2014	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/10/2014	ND	173	86.7	200	5.56	
DRO >C10-C28	<10.0	10.0	10/10/2014	ND	182	90.8	200	6.81	

Surrogate: 1-Chlorooctane 103 % 47.2-157

Surrogate: 1-Chlorooctadecane 110 % 52.1-176

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 Fax To: (575) 393-2981

Received:	10/10/2014	Sampling Date:	10/08/2014
Reported:	10/13/2014	Sampling Type:	Soil
Project Name:	DEVON VEGA 29 FEDERAL 1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	16708	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: SP 6 @ 1' (H403118-11)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2014	ND	1.59	79.6	2.00	14.5	
Toluene*	<0.050	0.050	10/10/2014	ND	1.55	77.5	2.00	14.1	
Ethylbenzene*	<0.050	0.050	10/10/2014	ND	1.47	73.7	2.00	15.0	
Total Xylenes*	<0.150	0.150	10/10/2014	ND	4.37	72.8	6.00	15.5	
Total BTEX	<0.300	0.300	10/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	10/12/2014	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/10/2014	ND	173	86.7	200	5.56	
DRO >C10-C28	<10.0	10.0	10/10/2014	ND	182	90.8	200	6.81	

Surrogate: 1-Chlorooctane 96.1 % 47.2-157

Surrogate: 1-Chlorooctadecane 110 % 52.1-176

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Analytical Results For:

 DIVERSIFIED FIELD SERVICES, INC.
 NATALIE GLADDEN
 P. O. BOX 5966
 HOBBS NM, 88241
 Fax To: (575) 393-2981

Received:	10/10/2014	Sampling Date:	10/08/2014
Reported:	10/13/2014	Sampling Type:	Soil
Project Name:	DEVON VEGA 29 FEDERAL 1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	16708	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: SP 6 @ 2' (H403118-12)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2014	ND	1.59	79.6	2.00	14.5	
Toluene*	<0.050	0.050	10/10/2014	ND	1.55	77.5	2.00	14.1	
Ethylbenzene*	<0.050	0.050	10/10/2014	ND	1.47	73.7	2.00	15.0	
Total Xylenes*	<0.150	0.150	10/10/2014	ND	4.37	72.8	6.00	15.5	
Total BTEX	<0.300	0.300	10/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	10/12/2014	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/10/2014	ND	173	86.7	200	5.56	
DRO >C10-C28	<10.0	10.0	10/10/2014	ND	182	90.8	200	6.81	

Surrogate: 1-Chlorooctane 98.8 % 47.2-157

Surrogate: 1-Chlorooctadecane 106 % 52.1-176

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Analytical Results For:

 DIVERSIFIED FIELD SERVICES, INC.
 NATALIE GLADDEN
 P. O. BOX 5966
 HOBBS NM, 88241
 Fax To: (575) 393-2981

Received:	10/10/2014	Sampling Date:	10/08/2014
Reported:	10/13/2014	Sampling Type:	Soil
Project Name:	DEVON VEGA 29 FEDERAL 1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	16708	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: SP 7 @ 1' (H403118-13)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2014	ND	1.59	79.6	2.00	14.5	
Toluene*	<0.050	0.050	10/10/2014	ND	1.55	77.5	2.00	14.1	
Ethylbenzene*	<0.050	0.050	10/10/2014	ND	1.47	73.7	2.00	15.0	
Total Xylenes*	<0.150	0.150	10/10/2014	ND	4.37	72.8	6.00	15.5	
Total BTEX	<0.300	0.300	10/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	10/12/2014	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/10/2014	ND	173	86.7	200	5.56	
DRO >C10-C28	<10.0	10.0	10/10/2014	ND	182	90.8	200	6.81	

Surrogate: 1-Chlorooctane 95.3 % 47.2-157

Surrogate: 1-Chlorooctadecane 103 % 52.1-176

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Analytical Results For:

 DIVERSIFIED FIELD SERVICES, INC.
 NATALIE GLADDEN
 P. O. BOX 5966
 HOBBS NM, 88241
 Fax To: (575) 393-2981

Received:	10/10/2014	Sampling Date:	10/08/2014
Reported:	10/13/2014	Sampling Type:	Soil
Project Name:	DEVON VEGA 29 FEDERAL 1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	16708	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: SP 7 @ 2' (H403118-14)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2014	ND	1.71	85.6	2.00	4.04	
Toluene*	<0.050	0.050	10/10/2014	ND	1.66	83.1	2.00	3.13	
Ethylbenzene*	<0.050	0.050	10/10/2014	ND	1.60	80.0	2.00	4.66	
Total Xylenes*	<0.150	0.150	10/10/2014	ND	4.79	79.9	6.00	4.40	
Total BTEX	<0.300	0.300	10/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1040	16.0	10/12/2014	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/10/2014	ND	173	86.7	200	5.56	
DRO >C10-C28	<10.0	10.0	10/10/2014	ND	182	90.8	200	6.81	

Surrogate: 1-Chlorooctane 102 % 47.2-157
Surrogate: 1-Chlorooctadecane 113 % 52.1-176

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Analytical Results For:

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 Fax To: (575) 393-2981

Received:	10/10/2014	Sampling Date:	10/09/2014
Reported:	10/13/2014	Sampling Type:	Soil
Project Name:	DEVON VEGA 29 FEDERAL 1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	16708	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: SP 8 @ 1' (H403118-15)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2014	ND	1.71	85.6	2.00	4.04	
Toluene*	<0.050	0.050	10/10/2014	ND	1.66	83.1	2.00	3.13	
Ethylbenzene*	<0.050	0.050	10/10/2014	ND	1.60	80.0	2.00	4.66	
Total Xylenes*	<0.150	0.150	10/10/2014	ND	4.79	79.9	6.00	4.40	
Total BTEX	<0.300	0.300	10/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	10/12/2014	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/10/2014	ND	173	86.7	200	5.56	
DRO >C10-C28	<10.0	10.0	10/10/2014	ND	182	90.8	200	6.81	

Surrogate: 1-Chlorooctane 93.5 % 47.2-157

Surrogate: 1-Chlorooctadecane 103 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 DIVERSIFIED FIELD SERVICES, INC.
 NATALIE GLADDEN
 P. O. BOX 5966
 HOBBS NM, 88241
 Fax To: (575) 393-2981

Received:	10/10/2014	Sampling Date:	10/09/2014
Reported:	10/13/2014	Sampling Type:	Soil
Project Name:	DEVON VEGA 29 FEDERAL 1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	16708	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: SP 8 @ 2' (H403118-16)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2014	ND	1.71	85.6	2.00	4.04	
Toluene*	<0.050	0.050	10/10/2014	ND	1.66	83.1	2.00	3.13	
Ethylbenzene*	<0.050	0.050	10/10/2014	ND	1.60	80.0	2.00	4.66	
Total Xylenes*	<0.150	0.150	10/10/2014	ND	4.79	79.9	6.00	4.40	
Total BTEX	<0.300	0.300	10/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	10/12/2014	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/10/2014	ND	173	86.7	200	5.56	
DRO >C10-C28	<10.0	10.0	10/10/2014	ND	182	90.8	200	6.81	

Surrogate: 1-Chlorooctane 98.7 % 47.2-157
Surrogate: 1-Chlorooctadecane 100 % 52.1-176

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Analytical Results For:

 DIVERSIFIED FIELD SERVICES, INC.
 NATALIE GLADDEN
 P. O. BOX 5966
 HOBBS NM, 88241
 Fax To: (575) 393-2981

Received:	10/10/2014	Sampling Date:	10/09/2014
Reported:	10/13/2014	Sampling Type:	Soil
Project Name:	DEVON VEGA 29 FEDERAL 1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	16708	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: SP 9 @ 1' (H403118-17)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2014	ND	1.71	85.6	2.00	4.04	
Toluene*	<0.050	0.050	10/10/2014	ND	1.66	83.1	2.00	3.13	
Ethylbenzene*	<0.050	0.050	10/10/2014	ND	1.60	80.0	2.00	4.66	
Total Xylenes*	<0.150	0.150	10/10/2014	ND	4.79	79.9	6.00	4.40	
Total BTEX	<0.300	0.300	10/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	10/12/2014	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/10/2014	ND	173	86.7	200	5.56	
DRO >C10-C28	<10.0	10.0	10/10/2014	ND	182	90.8	200	6.81	

Surrogate: 1-Chlorooctane 98.5 % 47.2-157
Surrogate: 1-Chlorooctadecane 109 % 52.1-176

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Analytical Results For:

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 NATALIE GLADDEN
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 Fax To: (575) 393-2981

Received:	10/10/2014	Sampling Date:	10/09/2014
Reported:	10/13/2014	Sampling Type:	Soil
Project Name:	DEVON VEGA 29 FEDERAL 1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	16708	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: SP 9 @ 2' (H403118-18)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2014	ND	1.71	85.6	2.00	4.04	
Toluene*	<0.050	0.050	10/10/2014	ND	1.66	83.1	2.00	3.13	
Ethylbenzene*	<0.050	0.050	10/10/2014	ND	1.60	80.0	2.00	4.66	
Total Xylenes*	<0.150	0.150	10/10/2014	ND	4.79	79.9	6.00	4.40	
Total BTEX	<0.300	0.300	10/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/12/2014	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/10/2014	ND	173	86.7	200	5.56	
DRO >C10-C28	<10.0	10.0	10/10/2014	ND	182	90.8	200	6.81	

Surrogate: 1-Chlorooctane 98.8 % 47.2-157

Surrogate: 1-Chlorooctadecane 109 % 52.1-176

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Received:	10/10/2014	Sampling Date:	10/09/2014
Reported:	10/13/2014	Sampling Type:	Soil
Project Name:	DEVON VEGA 29 FEDERAL 1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	16708	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: SP 10 @ 1' (H403118-19)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2014	ND	1.71	85.6	2.00	4.04	
Toluene*	<0.050	0.050	10/10/2014	ND	1.66	83.1	2.00	3.13	
Ethylbenzene*	<0.050	0.050	10/10/2014	ND	1.60	80.0	2.00	4.66	
Total Xylenes*	<0.150	0.150	10/10/2014	ND	4.79	79.9	6.00	4.40	
Total BTEX	<0.300	0.300	10/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	10/12/2014	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/10/2014	ND	173	86.7	200	5.56	
DRO >C10-C28	<10.0	10.0	10/10/2014	ND	182	90.8	200	6.81	

Surrogate: 1-Chlorooctane 99.0 % 47.2-157

Surrogate: 1-Chlorooctadecane 112 % 52.1-176

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Received:	10/10/2014	Sampling Date:	10/09/2014
Reported:	10/13/2014	Sampling Type:	Soil
Project Name:	DEVON VEGA 29 FEDERAL 1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	16708	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: SP 10 @ 2' (H403118-20)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2014	ND	1.71	85.6	2.00	4.04	
Toluene*	<0.050	0.050	10/10/2014	ND	1.66	83.1	2.00	3.13	
Ethylbenzene*	<0.050	0.050	10/10/2014	ND	1.60	80.0	2.00	4.66	
Total Xylenes*	<0.150	0.150	10/10/2014	ND	4.79	79.9	6.00	4.40	
Total BTEX	<0.300	0.300	10/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	10/12/2014	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/10/2014	ND	173	86.7	200	5.56	
DRO >C10-C28	<10.0	10.0	10/10/2014	ND	182	90.8	200	6.81	

Surrogate: 1-Chlorooctane 94.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 105 % 52.1-176

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Analytical Results For:

 DIVERSIFIED FIELD SERVICES, INC.
 NATALIE GLADDEN
 P. O. BOX 5966
 HOBBS NM, 88241
 Fax To: (575) 393-2981

Received:	10/10/2014	Sampling Date:	10/09/2014
Reported:	10/13/2014	Sampling Type:	Soil
Project Name:	DEVON VEGA 29 FEDERAL 1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	16708	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: SP 11 @ 1' (H403118-21)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2014	ND	1.71	85.6	2.00	4.04	
Toluene*	<0.050	0.050	10/10/2014	ND	1.66	83.1	2.00	3.13	
Ethylbenzene*	<0.050	0.050	10/10/2014	ND	1.60	80.0	2.00	4.66	
Total Xylenes*	<0.150	0.150	10/10/2014	ND	4.79	79.9	6.00	4.40	
Total BTEX	<0.300	0.300	10/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	10/12/2014	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/11/2014	ND	182	90.8	200	1.56	
DRO >C10-C28	<10.0	10.0	10/11/2014	ND	184	91.9	200	3.04	

Surrogate: 1-Chlorooctane 98.9 % 47.2-157
Surrogate: 1-Chlorooctadecane 104 % 52.1-176

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Analytical Results For:

 DIVERSIFIED FIELD SERVICES, INC.
 NATALIE GLADDEN
 P. O. BOX 5966
 HOBBS NM, 88241
 Fax To: (575) 393-2981

Received:	10/10/2014	Sampling Date:	10/09/2014
Reported:	10/13/2014	Sampling Type:	Soil
Project Name:	DEVON VEGA 29 FEDERAL 1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	16708	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: SP 11 @ 2' (H403118-22)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2014	ND	1.71	85.6	2.00	4.04	
Toluene*	<0.050	0.050	10/10/2014	ND	1.66	83.1	2.00	3.13	
Ethylbenzene*	<0.050	0.050	10/10/2014	ND	1.60	80.0	2.00	4.66	
Total Xylenes*	<0.150	0.150	10/10/2014	ND	4.79	79.9	6.00	4.40	
Total BTEX	<0.300	0.300	10/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	10/12/2014	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/11/2014	ND	182	90.8	200	1.56	
DRO >C10-C28	<10.0	10.0	10/11/2014	ND	184	91.9	200	3.04	

Surrogate: 1-Chlorooctane 102 % 47.2-157

Surrogate: 1-Chlorooctadecane 111 % 52.1-176

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Analytical Results For:

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 NATALIE GLADDEN
 P. O. BOX 5966
 HOBBS NM, 88241
 Fax To: (575) 393-2981

Received:	10/10/2014	Sampling Date:	10/09/2014
Reported:	10/13/2014	Sampling Type:	Soil
Project Name:	DEVON VEGA 29 FEDERAL 1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	16708	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: SP 12 @ 1' (H403118-23)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2014	ND	1.71	85.6	2.00	4.04	
Toluene*	<0.050	0.050	10/10/2014	ND	1.66	83.1	2.00	3.13	
Ethylbenzene*	<0.050	0.050	10/10/2014	ND	1.60	80.0	2.00	4.66	
Total Xylenes*	<0.150	0.150	10/10/2014	ND	4.79	79.9	6.00	4.40	
Total BTEX	<0.300	0.300	10/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1010	16.0	10/12/2014	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/11/2014	ND	182	90.8	200	1.56	
DRO >C10-C28	<10.0	10.0	10/11/2014	ND	184	91.9	200	3.04	

Surrogate: 1-Chlorooctane 104 % 47.2-157

Surrogate: 1-Chlorooctadecane 111 % 52.1-176

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Received:	10/10/2014	Sampling Date:	10/09/2014
Reported:	10/13/2014	Sampling Type:	Soil
Project Name:	DEVON VEGA 29 FEDERAL 1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	16708	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: SP 12 @ 2' (H403118-24)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2014	ND	1.71	85.6	2.00	4.04	
Toluene*	<0.050	0.050	10/10/2014	ND	1.66	83.1	2.00	3.13	
Ethylbenzene*	<0.050	0.050	10/10/2014	ND	1.60	80.0	2.00	4.66	
Total Xylenes*	<0.150	0.150	10/10/2014	ND	4.79	79.9	6.00	4.40	
Total BTEX	<0.300	0.300	10/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	10/12/2014	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/11/2014	ND	182	90.8	200	1.56	
DRO >C10-C28	<10.0	10.0	10/11/2014	ND	184	91.9	200	3.04	

Surrogate: 1-Chlorooctane 105 % 47.2-157

Surrogate: 1-Chlorooctadecane 111 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 DIVERSIFIED FIELD SERVICES, INC.
 NATALIE GLADDEN
 P. O. BOX 5966
 HOBBS NM, 88241
 Fax To: (575) 393-2981

Received:	10/10/2014	Sampling Date:	10/09/2014
Reported:	10/13/2014	Sampling Type:	Soil
Project Name:	DEVON VEGA 29 FEDERAL 1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	16708	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: SP 13 @ 1' (H403118-25)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2014	ND	1.71	85.6	2.00	4.04	
Toluene*	<0.050	0.050	10/10/2014	ND	1.66	83.1	2.00	3.13	
Ethylbenzene*	<0.050	0.050	10/10/2014	ND	1.60	80.0	2.00	4.66	
Total Xylenes*	<0.150	0.150	10/10/2014	ND	4.79	79.9	6.00	4.40	
Total BTEX	<0.300	0.300	10/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1170	16.0	10/12/2014	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/11/2014	ND	182	90.8	200	1.56	
DRO >C10-C28	<10.0	10.0	10/11/2014	ND	184	91.9	200	3.04	

Surrogate: 1-Chlorooctane 100 % 47.2-157
Surrogate: 1-Chlorooctadecane 108 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 DIVERSIFIED FIELD SERVICES, INC.
 NATALIE GLADDEN
 P. O. BOX 5966
 HOBBS NM, 88241
 Fax To: (575) 393-2981

Received:	10/10/2014	Sampling Date:	10/09/2014
Reported:	10/13/2014	Sampling Type:	Soil
Project Name:	DEVON VEGA 29 FEDERAL 1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	16708	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: SP 13 @ 2' (H403118-26)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2014	ND	1.71	85.6	2.00	4.04	
Toluene*	<0.050	0.050	10/10/2014	ND	1.66	83.1	2.00	3.13	
Ethylbenzene*	<0.050	0.050	10/10/2014	ND	1.60	80.0	2.00	4.66	
Total Xylenes*	<0.150	0.150	10/10/2014	ND	4.79	79.9	6.00	4.40	
Total BTEX	<0.300	0.300	10/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1200	16.0	10/12/2014	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/11/2014	ND	182	90.8	200	1.56	
DRO >C10-C28	<10.0	10.0	10/11/2014	ND	184	91.9	200	3.04	

Surrogate: 1-Chlorooctane 106 % 47.2-157

Surrogate: 1-Chlorooctadecane 111 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 DIVERSIFIED FIELD SERVICES, INC.
 NATALIE GLADDEN
 P. O. BOX 5966
 HOBBS NM, 88241
 Fax To: (575) 393-2981

Received:	10/10/2014	Sampling Date:	10/09/2014
Reported:	10/13/2014	Sampling Type:	Soil
Project Name:	DEVON VEGA 29 FEDERAL 1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	16708	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: SP 14 @ 3' (H403118-27)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2014	ND	1.71	85.6	2.00	4.04	
Toluene*	<0.050	0.050	10/10/2014	ND	1.66	83.1	2.00	3.13	
Ethylbenzene*	<0.050	0.050	10/10/2014	ND	1.60	80.0	2.00	4.66	
Total Xylenes*	<0.150	0.150	10/10/2014	ND	4.79	79.9	6.00	4.40	
Total BTEX	<0.300	0.300	10/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	10/12/2014	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/11/2014	ND	182	90.8	200	1.56	
DRO >C10-C28	<10.0	10.0	10/11/2014	ND	184	91.9	200	3.04	

Surrogate: 1-Chlorooctane 107 % 47.2-157
Surrogate: 1-Chlorooctadecane 110 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 DIVERSIFIED FIELD SERVICES, INC.
 NATALIE GLADDEN
 P. O. BOX 5966
 HOBBS NM, 88241
 Fax To: (575) 393-2981

Received:	10/10/2014	Sampling Date:	10/09/2014
Reported:	10/13/2014	Sampling Type:	Soil
Project Name:	DEVON VEGA 29 FEDERAL 1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	16708	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: SP 14 @ 4' (H403118-28)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2014	ND	1.71	85.6	2.00	4.04	
Toluene*	<0.050	0.050	10/11/2014	ND	1.66	83.1	2.00	3.13	
Ethylbenzene*	<0.050	0.050	10/11/2014	ND	1.60	80.0	2.00	4.66	
Total Xylenes*	<0.150	0.150	10/11/2014	ND	4.79	79.9	6.00	4.40	
Total BTEX	<0.300	0.300	10/11/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/12/2014	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/11/2014	ND	182	90.8	200	1.56	
DRO >C10-C28	<10.0	10.0	10/11/2014	ND	184	91.9	200	3.04	

Surrogate: 1-Chlorooctane 101 % 47.2-157

Surrogate: 1-Chlorooctadecane 109 % 52.1-176

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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



Celey D. Keene, Lab Director/Quality Manager

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 3

Company Name: <i>Aradaha</i> Project Manager: <i>Steven Calloway</i>		P.O. #: <i>16708</i> Company: <i>Diversified</i>							
Address: City: _____ State: _____ Zip: _____		Attn: Address: _____ City: <i>Hobbs</i> State: <i>NM</i> Zip: <i>88240</i>							
Phone #: _____ Fax #: _____		Project #: _____							
Project Name: _____		Project Owner: _____							
Project Location: <i>Devon Vega 29 Federal 1 battery</i>		Phone #: _____							
Sampler Name: <i>Talon Long</i>		Fax #: _____							
BILL TO									
ANALYSIS REQUEST									
<small>FOR LAB USE ONLY</small>									
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV	SAMPLING	DATE	TIME	REMARKS
<i>H403118-</i>	<i>SP1 @ 1'</i>	<input checked="" type="checkbox"/>	<i>9</i>	GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:	ACID/BASE: ICE / COOL OTHER:	<input checked="" type="checkbox"/>	<i>10-8-14</i>	<i>7:00</i>	<i>BTX</i>
	<i>SP1 @ 2'</i>	<input checked="" type="checkbox"/>	<i>9</i>			<input checked="" type="checkbox"/>	<i>10-8-14</i>	<i>7:10</i>	<i>TH</i>
	<i>SP2 @ 1'</i>	<input checked="" type="checkbox"/>	<i>9</i>			<input checked="" type="checkbox"/>	<i>10-8-14</i>	<i>7:30</i>	<i>CL</i>
	<i>SP2 @ 2'</i>	<input checked="" type="checkbox"/>	<i>9</i>			<input checked="" type="checkbox"/>	<i>10-8-14</i>	<i>7:30</i>	
	<i>SP3 @ 1'</i>	<input checked="" type="checkbox"/>	<i>9</i>			<input checked="" type="checkbox"/>	<i>10-8-14</i>	<i>7:40</i>	
	<i>SP3 @ 2'</i>	<input checked="" type="checkbox"/>	<i>9</i>			<input checked="" type="checkbox"/>	<i>10-8-14</i>	<i>7:50</i>	
	<i>SP4 @ 1'</i>	<input checked="" type="checkbox"/>	<i>9</i>			<input checked="" type="checkbox"/>	<i>10-8-14</i>	<i>8:00</i>	
	<i>SP4 @ 2'</i>	<input checked="" type="checkbox"/>	<i>9</i>			<input checked="" type="checkbox"/>	<i>10-8-14</i>	<i>8:10</i>	
	<i>SP5 @ 1'</i>	<input checked="" type="checkbox"/>	<i>9</i>			<input checked="" type="checkbox"/>	<i>10-8-14</i>	<i>8:25</i>	
	<i>SP5 @ 2'</i>	<input checked="" type="checkbox"/>	<i>9</i>			<input checked="" type="checkbox"/>	<i>10-8-14</i>	<i>8:35</i>	

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Relinquished By: *[Signature]* Date: *10/10/14* Time: *8:35*
 Received By: *[Signature]* Date: _____ Time: _____

Delivered By: (Circle One) UPS Bus Other: *52°C*
 Sample Condition: Cool Intact Yes No
 CHECKED BY: (Initials) *cdk*

Phone Result: Yes No Add'l Phone #: _____
 Fax Result: Yes No Add'l Fax #: _____
 E-mail Results To: *Rpon@diversifiedsi.com*
 Ngladden@diversifiedsi.com
 Rpon@diversifiedsi.com
[Signature]



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

2 of 3

Company Name: <u>Ara Parne</u> Project Manager: <u>Steven Caldwary</u> Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____ Project #: _____ Project Owner: _____ Project Name: _____ Project Location: <u>Denton Vega 29 Federal 1 battery</u> Sampler Name: <u>YALON LONG</u> FOR LAB USE ONLY		BILL TO P.O. #: <u>16708</u> Company: <u>Diversified</u> Attn: _____ Address: _____ City: <u>HOBBS</u> State: <u>NM</u> zip: <u>88240</u> Phone #: _____ Fax #: _____		ANALYSIS REQUEST													
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	MATRIX	PRESERV	SAMPLING	DATE	TIME	TPH	BTEX	CC				
<u>HH03118-</u>																	
	SP.6 @ 1'	X	1			SOIL	X	10-8-14	8:45	X	X	X					
	SP.6 @ 2'	X	1			SOIL	X	10-8-14	8:55	X	X	X					
	SP.7 @ 1'	X	1			SOIL	X	10-8-14	9:15	X	X	X					
	SP.7 @ 2'	X	1			SOIL	X	10-8-14	9:30	X	X	X					
	SP.8 @ 2'	X	1			SOIL	X	10-9-14	7:15	X	X	X					
	SP.8 @ 2'	X	1			SOIL	X	10-9-14	7:30	X	X	X					
	SP.9 @ 1'	X	1			SOIL	X	10-9-14	8:00	X	X	X					
	SP.9 @ 2'	X	1			SOIL	X	10-9-14	8:20	X	X	X					
	SP.10 @ 1'	X	1			SOIL	X	10-9-14	8:45	X	X	X					
	SP.10 @ 2'	X	1			SOIL	X	10-9-14	9:00	X	X	X					

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Relinquished By: YALON LONG Date: 10/01/14 Received By: Steven Caldwary
 Relinquished By: _____ Date: _____ Received By: _____

Delivered By: (Circle One) UPS Bus Other
 Sampler - UPS - Bus - Other: S.21c
 Sample Condition: Cool Intact
 Yes No Yes No
 CHECKED BY: ca (Initials)
 E-mail Results To: Ngladden@diversifiedfsi.com
Rpons@diversifiedfsi.com
 Phone Result: Yes No Add'l Phone #: _____
 Fax Result: Yes No Add'l Fax #: _____
 REMARKS: _____

* Cardinal cannot accept verbal change. Please fax written change to (575) 393-2326



October 14, 2014

NATALIE GLADDEN

DIVERSIFIED FIELD SERVICES, INC.

P. O. BOX 5966

HOBBS, NM 88241

RE: DEVON VEGA 29 FEDERAL 1 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 10/13/14 12:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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 (V1, 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 DIVERSIFIED FIELD SERVICES, INC.
 NATALIE GLADDEN
 P. O. BOX 5966
 HOBBS NM, 88241
 Fax To: (575) 393-2981

Received:	10/13/2014	Sampling Date:	10/13/2014
Reported:	10/14/2014	Sampling Type:	Soil
Project Name:	DEVON VEGA 29 FEDERAL 1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	16737	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 3' (H403136-01)

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/13/2014	ND	1.91	95.3	2.00	3.60		
Toluene*	<0.050	0.050	10/13/2014	ND	1.81	90.4	2.00	3.47		
Ethylbenzene*	<0.050	0.050	10/13/2014	ND	1.72	86.1	2.00	3.32		
Total Xylenes*	<0.150	0.150	10/13/2014	ND	5.17	86.1	6.00	3.57		
Total BTEX	<0.300	0.300	10/13/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	10/13/2014	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	10/14/2014	ND	169	84.6	200	3.28		
DRO >C10-C28	<10.0	10.0	10/14/2014	ND	178	89.2	200	3.46		

Surrogate: 1-Chlorooctane 84.3 % 47.2-157
Surrogate: 1-Chlorooctadecane 85.3 % 52.1-176

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 DIVERSIFIED FIELD SERVICES, INC.
 NATALIE GLADDEN
 P. O. BOX 5966
 HOBBS NM, 88241
 Fax To: (575) 393-2981

Received:	10/13/2014	Sampling Date:	10/13/2014
Reported:	10/14/2014	Sampling Type:	Soil
Project Name:	DEVON VEGA 29 FEDERAL 1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	16737	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 4' (H403136-02)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/13/2014	ND	1.91	95.3	2.00	3.60	
Toluene*	<0.050	0.050	10/13/2014	ND	1.81	90.4	2.00	3.47	
Ethylbenzene*	<0.050	0.050	10/13/2014	ND	1.72	86.1	2.00	3.32	
Total Xylenes*	<0.150	0.150	10/13/2014	ND	5.17	86.1	6.00	3.57	
Total BTEX	<0.300	0.300	10/13/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	10/13/2014	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/14/2014	ND	169	84.6	200	3.28	
DRO >C10-C28	<10.0	10.0	10/14/2014	ND	178	89.2	200	3.46	

Surrogate: 1-Chlorooctane 85.6 % 47.2-157

Surrogate: 1-Chlorooctadecane 83.5 % 52.1-176

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 DIVERSIFIED FIELD SERVICES, INC.
 NATALIE GLADDEN
 P. O. BOX 5966
 HOBBS NM, 88241
 Fax To: (575) 393-2981

Received:	10/13/2014	Sampling Date:	10/13/2014
Reported:	10/14/2014	Sampling Type:	Soil
Project Name:	DEVON VEGA 29 FEDERAL 1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	16737	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 12 @ 3' (H403136-03)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/13/2014	ND	1.91	95.3	2.00	3.60	
Toluene*	<0.050	0.050	10/13/2014	ND	1.81	90.4	2.00	3.47	
Ethylbenzene*	<0.050	0.050	10/13/2014	ND	1.72	86.1	2.00	3.32	
Total Xylenes*	<0.150	0.150	10/13/2014	ND	5.17	86.1	6.00	3.57	
Total BTEX	<0.300	0.300	10/13/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/13/2014	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/14/2014	ND	169	84.6	200	3.28	
DRO >C10-C28	<10.0	10.0	10/14/2014	ND	178	89.2	200	3.46	

Surrogate: 1-Chlorooctane 81.1 % 47.2-157

Surrogate: 1-Chlorooctadecane 86.5 % 52.1-176

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 DIVERSIFIED FIELD SERVICES, INC.
 NATALIE GLADDEN
 P. O. BOX 5966
 HOBBS NM, 88241
 Fax To: (575) 393-2981

Received:	10/13/2014	Sampling Date:	10/13/2014
Reported:	10/14/2014	Sampling Type:	Soil
Project Name:	DEVON VEGA 29 FEDERAL 1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	16737	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 13 @ 5' (H403136-04)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/14/2014	ND	1.91	95.3	2.00	3.60	
Toluene*	<0.050	0.050	10/14/2014	ND	1.81	90.4	2.00	3.47	
Ethylbenzene*	<0.050	0.050	10/14/2014	ND	1.72	86.1	2.00	3.32	
Total Xylenes*	<0.150	0.150	10/14/2014	ND	5.17	86.1	6.00	3.57	
Total BTEX	<0.300	0.300	10/14/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	10/13/2014	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/14/2014	ND	169	84.6	200	3.28	
DRO >C10-C28	<10.0	10.0	10/14/2014	ND	178	89.2	200	3.46	

Surrogate: 1-Chlorooctane 83.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 86.4 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 DIVERSIFIED FIELD SERVICES, INC.
 NATALIE GLADDEN
 P. O. BOX 5966
 HOBBS NM, 88241
 Fax To: (575) 393-2981

Received:	10/13/2014	Sampling Date:	10/13/2014
Reported:	10/14/2014	Sampling Type:	Soil
Project Name:	DEVON VEGA 29 FEDERAL 1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	16737	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 13 @ 6' (H403136-05)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/14/2014	ND	1.91	95.3	2.00	3.60	
Toluene*	<0.050	0.050	10/14/2014	ND	1.81	90.4	2.00	3.47	
Ethylbenzene*	<0.050	0.050	10/14/2014	ND	1.72	86.1	2.00	3.32	
Total Xylenes*	<0.150	0.150	10/14/2014	ND	5.17	86.1	6.00	3.57	
Total BTEX	<0.300	0.300	10/14/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	10/13/2014	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/14/2014	ND	169	84.6	200	3.28	
DRO >C10-C28	<10.0	10.0	10/14/2014	ND	178	89.2	200	3.46	

Surrogate: 1-Chlorooctane 81.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 82.5 % 52.1-176

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*=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



Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Diversified Project Manager: Lance Crenshaw Address: City: State: Zip: Phone #: Fax #: Project #: Project Owner: Archie Project Name: Devon Vega 29 Federal battery 1 Project Location: Sampler Name: Lance Crenshaw <small>FOR LAB USE ONLY</small>		P.O. #: 16737 Company: Diversified Attn: Natalie Gladden Address: City: State: Zip: Phone #: Fax #: Matrix:	
Lab I.D. Sample I.D. H405136		Matrix:	
1 SP103' 2 SP104' 3 SP103' 4 SP1305' 5 SP1306'		(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	
DATE TIME		SAMPLING	
10/13 10:30 10/13 10:35 10/13 10:40 10/13 10:45 10/13 10:50		CL BTX TPH	
Relinquished By: <i>Lance Crenshaw</i> Relinquished By: <i>Lance Crenshaw</i> Received By: <i>Natalie Gladden</i> Date: 10/13/14 Time: 12:05 Received By:		Sample Condition: Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No CHECKED BY: <i>[Signature]</i> REMARKS: Email results to : Natalie@diversifiedfsi.com Ronald@diversifiedfsi.com RUSH!!!	

* Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326 #54