

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

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

**RECEIVED**  
By JKeyes at 8:23 am, May 16, 2016

**APPROVED**

**Release Notification and Corrective Action**

**OPERATOR**

Initial Report  Final Report

Name of Company Dugan Production Corp	Contact John Alexander	
Address PO Box 420, Farmington, NM 87499	Telephone No. 505-325-1821	
Facility Name KM Chaveroo Tank Battery	Facility Type Tank Battery	
Surface Owner State	Mineral Owner State	API No. n/a

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
F	2	8S	33E					Chaves

Latitude 33.651832 Longitude -103.540328

**NATURE OF RELEASE**

Type of Release Oil spill	Volume of Release 255 bbls	Volume Recovered 50 bbls
Source of Release hole in tank	Date and Hour of Occurrence 8/23/2015	Date and Hour of Discovery 8/23/2015 1200
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Kellie Jones	
By Whom?	Date and Hour 0800 8/24/2015	
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.\*

Corrosion hole in storage tank. Recovered as much oil as possible and stored in another tank.

Describe Area Affected and Cleanup Action Taken.\*

Area around battery had all contaminated soil removed and hauled to authorized remediation facility. The tanks were replaced to prevent a repeat occurrence. This is our final report and we ask that we be allowed to back fill all of the remediated area with clean soil.

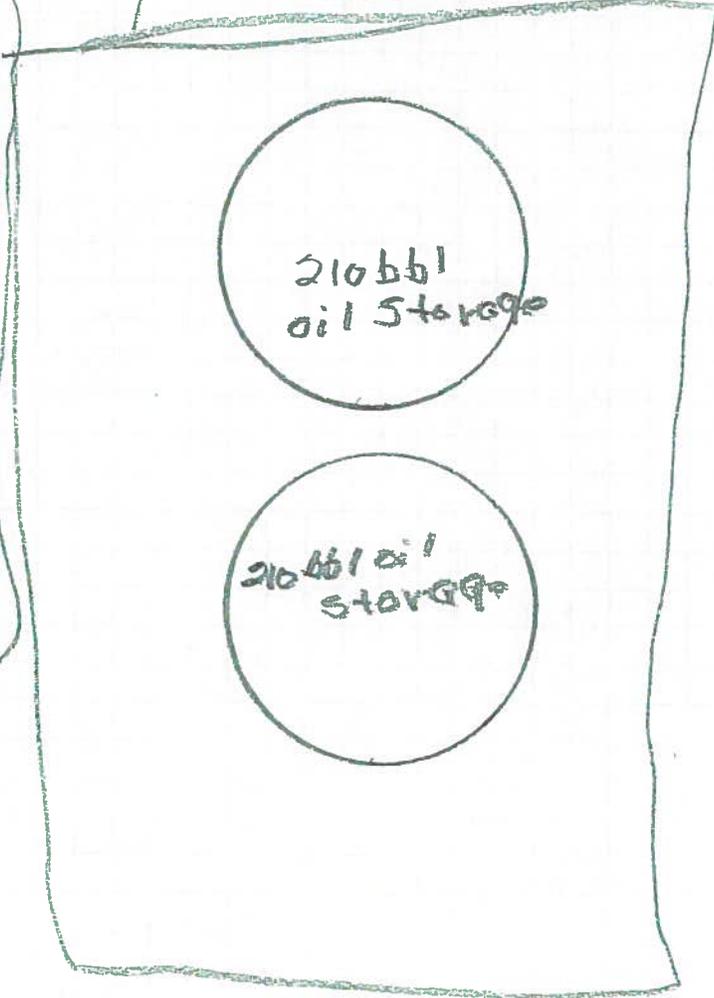
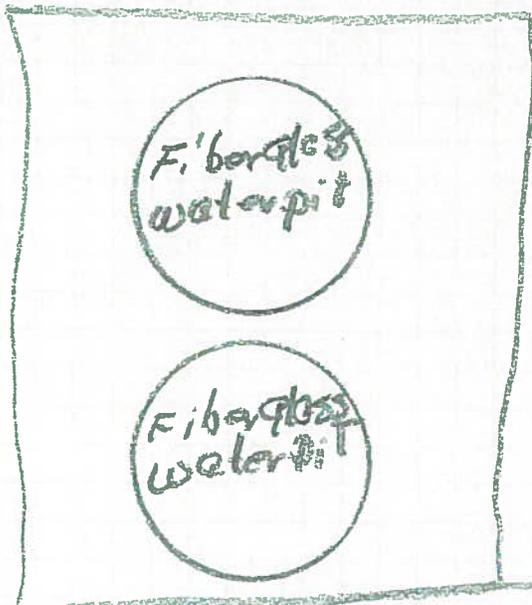
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger 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>John Alexander</i>	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: John Alexander	Approved by Environmental Specialist: <i>Jane Keyes</i>	
Title: Vice President	Approval Date: 05/16/2016	Expiration Date: ///
E-mail Address: john.alexander@duganproduction.com	Conditions of Approval: ///	Attached <input type="checkbox"/> IRP 3818
Date: 5/13/2016 Phone: 505-325-1821		

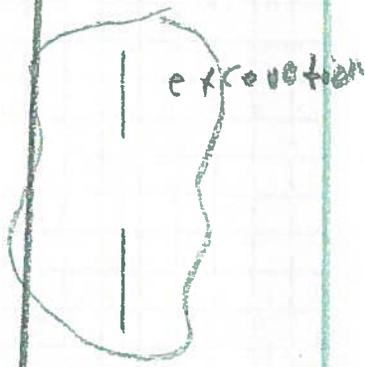
\* Attach Additional Sheets If Necessary

Zinc hevee  
TANK Battery  
Sample points

Samples  
9.1.2015



3" oil  
pipeline  
UNUSED



3" oil pipeline  
IN USE



Excavation

e3

e2

**Analytical Results For:**

 DUGAN PRODUCTION  
 JOHN ALEXANDER  
 P. O. BOX 420  
 FARMINGTON NM, 87499  
 Fax To: (505) 327-4043

 Received: 09/01/2015  
 Reported: 09/08/2015  
 Project Name: K M BATTERY  
 Project Number: NONE GIVEN  
 Project Location: CHAVES CO, NM

 Sampling Date: 09/01/2015  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson


**Sample ID: SAMPLE #1 (H502326-01)**

BTEX 8021B		mg/kg	Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>1.23</b>	0.500	09/03/2015	ND	1.90	95.1	2.00	0.227	
<b>Toluene*</b>	<b>14.1</b>	0.500	09/03/2015	ND	1.74	86.8	2.00	0.647	
<b>Ethylbenzene*</b>	<b>27.1</b>	0.500	09/03/2015	ND	1.80	90.1	2.00	0.934	
<b>Total Xylenes*</b>	<b>23.3</b>	1.50	09/03/2015	ND	5.43	90.5	6.00	1.45	
<b>Total BTEX</b>	<b>65.7</b>	3.00	09/03/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 110 % 85.6-137

Chloride, SM4500CI-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>80.0</b>	16.0	09/04/2015	ND	432	108	400	7.69	

TPH 8015M		mg/kg	Analyzed By: CK							S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10</b>	<b>597</b>	200	09/02/2015	ND	190	94.9	200	0.159		
<b>DRO &gt;C10-C28</b>	<b>18700</b>	200	09/02/2015	ND	206	103	200	0.564		
<b>Total TPH C6-C28</b>	<b>19300</b>	200	09/02/2015	ND	396	99.0	400	0.370		

Surrogate: 1-Chlorooctane 176 % 47.2-157

Surrogate: 1-Chlorooctadecane 309 % 52.1-176

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 DUGAN PRODUCTION  
 JOHN ALEXANDER  
 P. O. BOX 420  
 FARMINGTON NM, 87499  
 Fax To: (505) 327-4043

 Received: 09/01/2015  
 Reported: 09/08/2015  
 Project Name: K M BATTERY  
 Project Number: NONE GIVEN  
 Project Location: CHAVES CO, NM



 Sampling Date: 09/01/2015  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SAMPLE #2 (H502326-02)**

BTEX 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.500	0.500	09/03/2015	ND	1.90	95.1	2.00	0.227		
Toluene*	3.86	0.500	09/03/2015	ND	1.74	86.8	2.00	0.647		
Ethylbenzene*	22.3	0.500	09/03/2015	ND	1.80	90.1	2.00	0.934		
Total Xylenes*	22.5	1.50	09/03/2015	ND	5.43	90.5	6.00	1.45		
<b>Total BTEX</b>	<b>48.6</b>	<b>3.00</b>	<b>09/03/2015</b>	<b>ND</b>						

Surrogate: 4-Bromofluorobenzene (PIC) 112 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	09/04/2015	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: CK							S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	547	200	09/02/2015	ND	190	94.9	200	0.159			
DRO >C10-C28	23900	200	09/02/2015	ND	206	103	200	0.564			
<b>Total TPH C6-C28</b>	<b>24500</b>	<b>200</b>	<b>09/02/2015</b>	<b>ND</b>	<b>396</b>	<b>99.0</b>	<b>400</b>	<b>0.370</b>			

Surrogate: 1-Chlorooctane 192 % 47.2-157

Surrogate: 1-Chlorooctadecane 424 % 52.1-176

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 DUGAN PRODUCTION  
 JOHN ALEXANDER  
 P. O. BOX 420  
 FARMINGTON NM, 87499  
 Fax To: (505) 327-4043

 Received: 09/01/2015  
 Reported: 09/08/2015  
 Project Name: K M BATTERY  
 Project Number: NONE GIVEN  
 Project Location: CHAVES CO, NM



 Sampling Date: 09/01/2015  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SAMPLE #3 (H502326-03)**

BTEX 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Benzene*</b>	<b>10.9</b>	2.50	09/04/2015	ND	1.96	98.1	2.00	0.983		
<b>Toluene*</b>	<b>112</b>	2.50	09/04/2015	ND	1.79	89.3	2.00	1.10		
<b>Ethylbenzene*</b>	<b>235</b>	2.50	09/04/2015	ND	1.84	91.8	2.00	2.38		
<b>Total Xylenes*</b>	<b>204</b>	7.50	09/04/2015	ND	5.74	95.7	6.00	0.630		
<b>Total BTEX</b>	<b>562</b>	15.0	09/04/2015	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 121 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>64.0</b>	16.0	09/04/2015	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: CK							S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
<b>GRO C6-C10</b>	<b>4080</b>	200	09/02/2015	ND	190	94.9	200	0.159			
<b>DRO &gt;C10-C28</b>	<b>30300</b>	200	09/02/2015	ND	206	103	200	0.564			
<b>Total TPH C6-C28</b>	<b>34300</b>	200	09/02/2015	ND	396	99.0	400	0.370			

Surrogate: 1-Chlorooctane 271 % 47.2-157

Surrogate: 1-Chlorooctadecane 444 % 52.1-176

Cardinal Laboratories

\*=Accredited Analyte

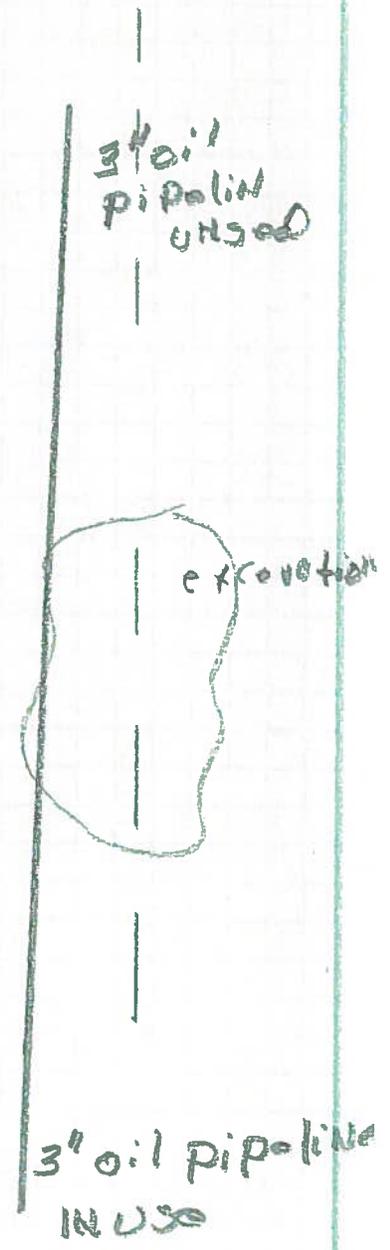
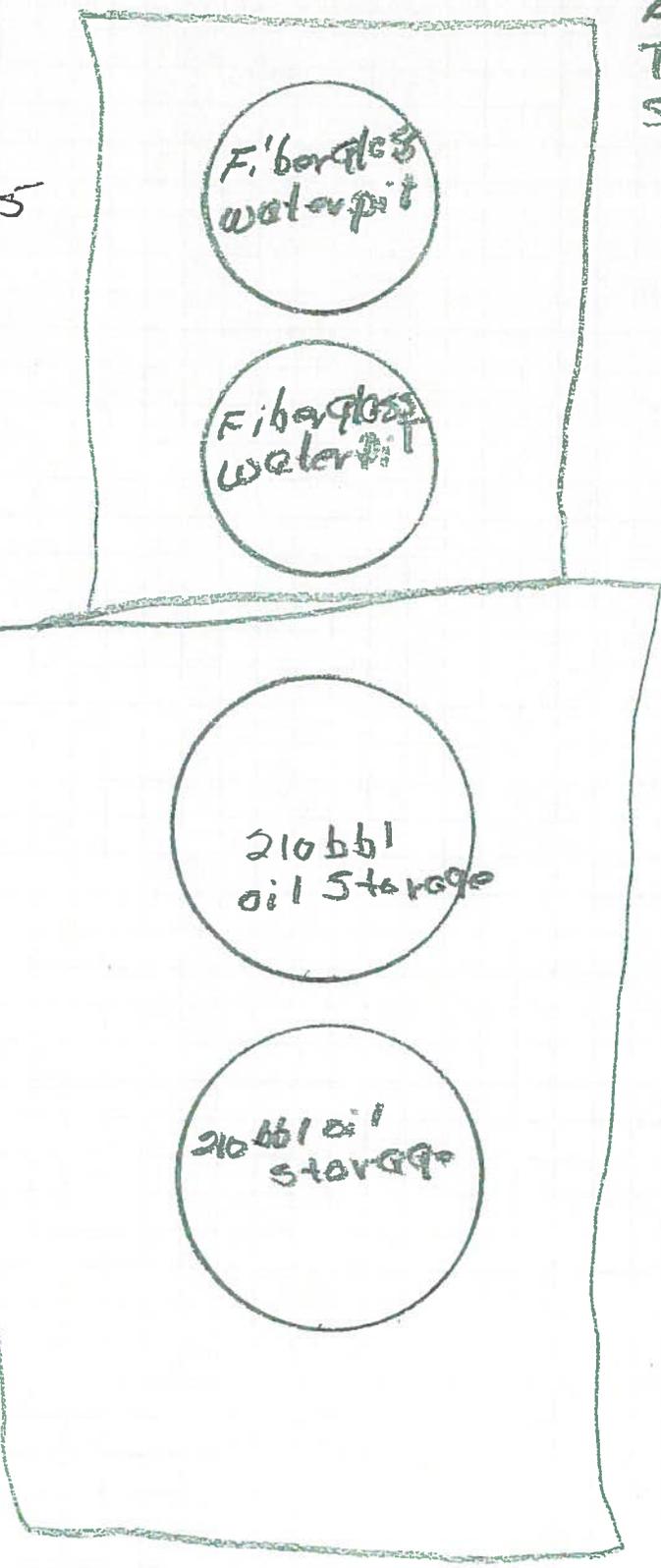
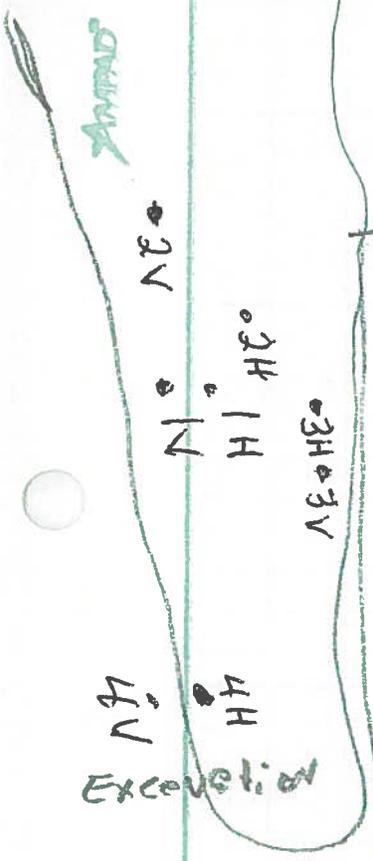
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Celey D. Keene, Lab Director/Quality Manager

Samples  
10.20.2015

Zn chevron  
TANK Battery  
Sample points



**Analytical Results For:**

 DUGAN PRODUCTION  
 JOHN ALEXANDER  
 P. O. BOX 420  
 FARMINGTON NM, 87499  
 Fax To: (505) 327-4043

 Received: 10/20/2015  
 Reported: 10/23/2015  
 Project Name: K M BATTERY  
 Project Number: NONE GIVEN  
 Project Location: CHAVES CO, NM



 Sampling Date: 10/20/2015  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: #1 V (H502737-01)**

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	10/22/2015	ND	1.93	96.6	2.00	1.31		
Toluene*	<0.050	0.050	10/22/2015	ND	1.77	88.6	2.00	1.80		
Ethylbenzene*	<0.050	0.050	10/22/2015	ND	1.76	87.8	2.00	1.53		
Total Xylenes*	<0.150	0.150	10/22/2015	ND	5.77	96.2	6.00	2.27		
Total BTEX	<0.300	0.300	10/22/2015	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 102 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/21/2015	ND	368	92.0	400	0.00		

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	10/21/2015	ND	207	104	200	4.56		
<b>DRO &gt;C10-C28</b>	<b>167</b>	10.0	10/21/2015	ND	210	105	200	6.00		
<b>Total TPH C6-C28</b>	<b>167</b>	10.0	10/21/2015	ND	417	104	400	5.29		

Surrogate: 1-Chlorooctane 91.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 103 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 DUGAN PRODUCTION  
 JOHN ALEXANDER  
 P. O. BOX 420  
 FARMINGTON NM, 87499  
 Fax To: (505) 327-4043

 Received: 10/20/2015  
 Reported: 10/23/2015  
 Project Name: K M BATTERY  
 Project Number: NONE GIVEN  
 Project Location: CHAVES CO, NM

 Sampling Date: 10/20/2015  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson


**Sample ID: #1 H (H502737-05)**

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	10/22/2015	ND	1.93	96.6	2.00	1.31		
Toluene*	<0.050	0.050	10/22/2015	ND	1.77	88.6	2.00	1.80		
Ethylbenzene*	<0.050	0.050	10/22/2015	ND	1.76	87.8	2.00	1.53		
Total Xylenes*	<0.150	0.150	10/22/2015	ND	5.77	96.2	6.00	2.27		
Total BTEX	<0.300	0.300	10/22/2015	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 103 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/21/2015	ND	368	92.0	400	0.00		

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	10/21/2015	ND	207	104	200	4.56		
DRO >C10-C28	173	10.0	10/21/2015	ND	210	105	200	6.00		
Total TPH C6-C28	173	10.0	10/21/2015	ND	417	104	400	5.29		

Surrogate: 1-Chlorooctane 90.0 % 47.2-157

Surrogate: 1-Chlorooctadecane 103 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 DUGAN PRODUCTION  
 JOHN ALEXANDER  
 P. O. BOX 420  
 FARMINGTON NM, 87499  
 Fax To: (505) 327-4043

 Received: 10/20/2015  
 Reported: 10/23/2015  
 Project Name: K M BATTERY  
 Project Number: NONE GIVEN  
 Project Location: CHAVES CO, NM



 Sampling Date: 10/20/2015  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: #2 V (H502737-02)**

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	10/22/2015	ND	1.93	96.6	2.00	1.31		
Toluene*	<0.050	0.050	10/22/2015	ND	1.77	88.6	2.00	1.80		
Ethylbenzene*	<0.050	0.050	10/22/2015	ND	1.76	87.8	2.00	1.53		
Total Xylenes*	<0.150	0.150	10/22/2015	ND	5.77	96.2	6.00	2.27		
Total BTEX	<0.300	0.300	10/22/2015	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 103 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/21/2015	ND	368	92.0	400	0.00		

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	10/21/2015	ND	207	104	200	4.56		
DRO >C10-C28	103	10.0	10/21/2015	ND	210	105	200	6.00		
Total TPH C6-C28	103	10.0	10/21/2015	ND	417	104	400	5.29		

Surrogate: 1-Chlorooctane 86.1 % 47.2-157

Surrogate: 1-Chlorooctadecane 96.5 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 DUGAN PRODUCTION  
 JOHN ALEXANDER  
 P. O. BOX 420  
 FARMINGTON NM, 87499  
 Fax To: (505) 327-4043

 Received: 10/20/2015  
 Reported: 10/23/2015  
 Project Name: K M BATTERY  
 Project Number: NONE GIVEN  
 Project Location: CHAVES CO, NM



 Sampling Date: 10/20/2015  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: #2 H (H502737-06)**

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	10/23/2015	ND	1.93	96.6	2.00	1.31		
Toluene*	<0.050	0.050	10/23/2015	ND	1.77	88.6	2.00	1.80		
Ethylbenzene*	<0.050	0.050	10/23/2015	ND	1.76	87.8	2.00	1.53		
Total Xylenes*	<0.150	0.150	10/23/2015	ND	5.77	96.2	6.00	2.27		
Total BTEX	<0.300	0.300	10/23/2015	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 101 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	912	16.0	10/21/2015	ND	368	92.0	400	0.00		

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	10/21/2015	ND	207	104	200	4.56		
DRO >C10-C28	272	10.0	10/21/2015	ND	210	105	200	6.00		
Total TPH C6-C28	272	10.0	10/21/2015	ND	417	104	400	5.29		

Surrogate: 1-Chlorooctane 91.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 109 % 52.1-176

Cardinal Laboratories

\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 DUGAN PRODUCTION  
 JOHN ALEXANDER  
 P. O. BOX 420  
 FARMINGTON NM, 87499  
 Fax To: (505) 327-4043

 Received: 10/20/2015  
 Reported: 10/23/2015  
 Project Name: K M BATTERY  
 Project Number: NONE GIVEN  
 Project Location: CHAVES CO, NM



 Sampling Date: 10/20/2015  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: #3 V (H502737-03)**

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	10/22/2015	ND	1.93	96.6	2.00	1.31		
Toluene*	<0.050	0.050	10/22/2015	ND	1.77	88.6	2.00	1.80		
Ethylbenzene*	<0.050	0.050	10/22/2015	ND	1.76	87.8	2.00	1.53		
Total Xylenes*	<0.150	0.150	10/22/2015	ND	5.77	96.2	6.00	2.27		
Total BTEX	<0.300	0.300	10/22/2015	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 104 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/21/2015	ND	368	92.0	400	0.00		

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	10/21/2015	ND	207	104	200	4.56		
DRO >C10-C28	356	10.0	10/21/2015	ND	210	105	200	6.00		
Total TPH C6-C28	356	10.0	10/21/2015	ND	417	104	400	5.29		

Surrogate: 1-Chlorooctane 89.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 102 % 52.1-176

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 DUGAN PRODUCTION  
 JOHN ALEXANDER  
 P. O. BOX 420  
 FARMINGTON NM, 87499  
 Fax To: (505) 327-4043

 Received: 10/20/2015  
 Reported: 10/23/2015  
 Project Name: K M BATTERY  
 Project Number: NONE GIVEN  
 Project Location: CHAVES CO, NM



 Sampling Date: 10/20/2015  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: #3 H (H502737-07)**

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	10/23/2015	ND	1.93	96.6	2.00	1.31		
Toluene*	<0.050	0.050	10/23/2015	ND	1.77	88.6	2.00	1.80		
Ethylbenzene*	<0.050	0.050	10/23/2015	ND	1.76	87.8	2.00	1.53		
Total Xylenes*	<0.150	0.150	10/23/2015	ND	5.77	96.2	6.00	2.27		
Total BTEX	<0.300	0.300	10/23/2015	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 102 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/21/2015	ND	416	104	400	0.00		

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	10/22/2015	ND	214	107	200	1.67		
<b>DRO &gt;C10-C28</b>	<b>392</b>	10.0	10/22/2015	ND	218	109	200	0.773		
<b>Total TPH C6-C28</b>	<b>392</b>	10.0	10/22/2015	ND	432	108	400	1.22		

Surrogate: 1-Chlorooctane 87.3 % 47.2-157

Surrogate: 1-Chlorooctadecane 112 % 52.1-176

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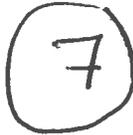


Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 DUGAN PRODUCTION  
 JOHN ALEXANDER  
 P. O. BOX 420  
 FARMINGTON NM, 87499  
 Fax To: (505) 327-4043

 Received: 10/20/2015  
 Reported: 10/23/2015  
 Project Name: K M BATTERY  
 Project Number: NONE GIVEN  
 Project Location: CHAVES CO, NM



 Sampling Date: 10/20/2015  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: #4 V (H502737-04)**

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	10/22/2015	ND	1.93	96.6	2.00	1.31		
Toluene*	<0.050	0.050	10/22/2015	ND	1.77	88.6	2.00	1.80		
Ethylbenzene*	<0.050	0.050	10/22/2015	ND	1.76	87.8	2.00	1.53		
Total Xylenes*	<0.150	0.150	10/22/2015	ND	5.77	96.2	6.00	2.27		
Total BTEX	<0.300	0.300	10/22/2015	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 103 % 85.6-137

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	10/21/2015	ND	368	92.0	400	0.00		

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	10/21/2015	ND	207	104	200	4.56		
DRO >C10-C28	323	10.0	10/21/2015	ND	210	105	200	6.00		
Total TPH C6-C28	323	10.0	10/21/2015	ND	417	104	400	5.29		

Surrogate: 1-Chlorooctane 89.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 101 % 52.1-176

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Caley D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 DUGAN PRODUCTION  
 JOHN ALEXANDER  
 P. O. BOX 420  
 FARMINGTON NM, 87499  
 Fax To: (505) 327-4043

 Received: 10/20/2015  
 Reported: 10/23/2015  
 Project Name: K M BATTERY  
 Project Number: NONE GIVEN  
 Project Location: CHAVES CO, NM



 Sampling Date: 10/20/2015  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: #4 H (H502737-08)**

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	10/23/2015	ND	1.93	96.6	2.00	1.31		
Toluene*	<0.050	0.050	10/23/2015	ND	1.77	88.6	2.00	1.80		
Ethylbenzene*	<0.050	0.050	10/23/2015	ND	1.76	87.8	2.00	1.53		
Total Xylenes*	<0.150	0.150	10/23/2015	ND	5.77	96.2	6.00	2.27		
Total BTEX	<0.300	0.300	10/23/2015	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 103 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/21/2015	ND	416	104	400	0.00		

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	10/22/2015	ND	214	107	200	1.67		
<b>DRO &gt;C10-C28</b>	<b>172</b>	10.0	10/22/2015	ND	218	109	200	0.773		
<b>Total TPH C6-C28</b>	<b>172</b>	10.0	10/22/2015	ND	432	108	400	1.22		

Surrogate: 1-Chlorooctane 85.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 96.8 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

EMC Haverco  
TANK Battery  
Sample points

Samples  
1 & 9. 2016

Fiberglass  
water pit

Fiberglass  
water pit

210 bbl  
oil storage

210 bbl oil  
storage

3" oil  
pipeline  
UNUSED

excavation

#10

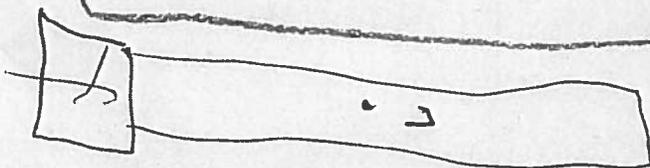
3" oil  
pipeline  
UNUSED

3" oil pipeline  
UNUSED

6  
4  
4  
3  
2  
1

Excavation

Samples 15' from face wall  
+ 15' between each other



**Analytical Results For:**

 DUGAN PRODUCTION  
 JOHN ALEXANDER  
 P. O. BOX 420  
 FARMINGTON NM, 87499  
 Fax To: (505) 327-4043

 Received: 01/19/2016  
 Reported: 01/25/2016  
 Project Name: K M BATTERY  
 Project Number: NONE GIVEN  
 Project Location: SEC 2, T8S, R33ECHAVES CO, NM

12

 Sampling Date: 01/19/2016  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Celey D. Keene

**Sample ID: #1 (H600112-01)**

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	01/21/2016	ND	1.83	91.4	2.00	10.6		
Toluene*	<0.050	0.050	01/21/2016	ND	1.80	89.8	2.00	8.52		
Ethylbenzene*	<0.050	0.050	01/21/2016	ND	1.65	82.3	2.00	7.09		
Total Xylenes*	<0.150	0.150	01/21/2016	ND	5.11	85.1	6.00	6.58		
Total BTEX	<0.300	0.300	01/21/2016	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 102 % 73.6-140

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	01/20/2016	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	01/20/2016	ND	191	95.3	200	1.65		
DRO >C10-C28	65.6	10.0	01/20/2016	ND	197	98.7	200	9.16		
Total TPH C6-C28	65.6	10.0	01/20/2016	ND	388	97.0	400	5.41		

Surrogate: 1-Chlorooctane 93.4 % 35-147

Surrogate: 1-Chlorooctadecane 101 % 28-171

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 DUGAN PRODUCTION  
 JOHN ALEXANDER  
 P. O. BOX 420  
 FARMINGTON NM, 87499  
 Fax To: (505) 327-4043

 Received: 01/19/2016  
 Reported: 01/25/2016  
 Project Name: K M BATTERY  
 Project Number: NONE GIVEN  
 Project Location: SEC 2, T8S, R33ECHAVES CO, NM

13

 Sampling Date: 01/19/2016  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Celey D. Keene

**Sample ID: #2 (H600112-02)**

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	01/21/2016	ND	1.83	91.4	2.00	10.6		
Toluene*	<0.050	0.050	01/21/2016	ND	1.80	89.8	2.00	8.52		
Ethylbenzene*	<0.050	0.050	01/21/2016	ND	1.65	82.3	2.00	7.09		
Total Xylenes*	<0.150	0.150	01/21/2016	ND	5.11	85.1	6.00	6.58		
Total BTEX	<0.300	0.300	01/21/2016	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 103 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/20/2016	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	01/20/2016	ND	191	95.3	200	1.65		
DRO >C10-C28	<10.0	10.0	01/20/2016	ND	197	98.7	200	9.16		
Total TPH C6-C28	<10.0	10.0	01/20/2016	ND	388	97.0	400	5.41		

Surrogate: 1-Chlorooctane 95.5 % 35-147

Surrogate: 1-Chlorooctadecane 98.7 % 28-171

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 DUGAN PRODUCTION  
 JOHN ALEXANDER  
 P. O. BOX 420  
 FARMINGTON NM, 87499  
 Fax To: (505) 327-4043

14

 Received: 01/19/2016  
 Reported: 01/25/2016  
 Project Name: K M BATTERY  
 Project Number: NONE GIVEN  
 Project Location: SEC 2, T8S, R33ECHAVES CO, NM

 Sampling Date: 01/19/2016  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Celey D. Keene

**Sample ID: #3 (H600112-03)**

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	01/21/2016	ND	1.83	91.4	2.00	10.6		
Toluene*	<0.050	0.050	01/21/2016	ND	1.80	89.8	2.00	8.52		
Ethylbenzene*	<0.050	0.050	01/21/2016	ND	1.65	82.3	2.00	7.09		
Total Xylenes*	<0.150	0.150	01/21/2016	ND	5.11	85.1	6.00	6.58		
Total BTEX	<0.300	0.300	01/21/2016	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 102 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/20/2016	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	01/20/2016	ND	191	95.3	200	1.65		
DRO >C10-C28	<10.0	10.0	01/20/2016	ND	197	98.7	200	9.16		
Total TPH C6-C28	<10.0	10.0	01/20/2016	ND	388	97.0	400	5.41		

Surrogate: 1-Chlorooctane 92.4 % 35-147

Surrogate: 1-Chlorooctadecane 94.4 % 28-171

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 DUGAN PRODUCTION  
 JOHN ALEXANDER  
 P. O. BOX 420  
 FARMINGTON NM, 87499  
 Fax To: (505) 327-4043

 Received: 01/19/2016  
 Reported: 01/25/2016  
 Project Name: K M BATTERY  
 Project Number: NONE GIVEN  
 Project Location: SEC 2, T8S, R33ECHAVES CO, NM

15

 Sampling Date: 01/19/2016  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Celey D. Keene

**Sample ID: #4 (H600112-04)**

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	01/21/2016	ND	1.83	91.4	2.00	10.6		
Toluene*	<0.050	0.050	01/21/2016	ND	1.80	89.8	2.00	8.52		
Ethylbenzene*	<0.050	0.050	01/21/2016	ND	1.65	82.3	2.00	7.09		
Total Xylenes*	<0.150	0.150	01/21/2016	ND	5.11	85.1	6.00	6.58		
Total BTEX	<0.300	0.300	01/21/2016	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 101 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/20/2016	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	01/20/2016	ND	191	95.3	200	1.65		
DRO >C10-C28	130	10.0	01/20/2016	ND	197	98.7	200	9.16		
Total TPH C6-C28	130	10.0	01/20/2016	ND	388	97.0	400	5.41		

Surrogate: 1-Chlorooctane 95.8 % 35-147

Surrogate: 1-Chlorooctadecane 99.8 % 28-171

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 DUGAN PRODUCTION  
 JOHN ALEXANDER  
 P. O. BOX 420  
 FARMINGTON NM, 87499  
 Fax To: (505) 327-4043



 Received: 01/19/2016  
 Reported: 01/25/2016  
 Project Name: K M BATTERY  
 Project Number: NONE GIVEN  
 Project Location: SEC 2, T8S, R33ECHAVES CO, NM

 Sampling Date: 01/19/2016  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Celey D. Keene

**Sample ID: #5 (H600112-05)**

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	01/21/2016	ND	1.83	91.4	2.00	10.6		
Toluene*	<0.050	0.050	01/21/2016	ND	1.80	89.8	2.00	8.52		
Ethylbenzene*	<0.050	0.050	01/21/2016	ND	1.65	82.3	2.00	7.09		
Total Xylenes*	<0.150	0.150	01/21/2016	ND	5.11	85.1	6.00	6.58		
Total BTEX	<0.300	0.300	01/21/2016	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 102 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/20/2016	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	24.4	10.0	01/21/2016	ND	191	95.3	200	1.65		
DRO >C10-C28	532	10.0	01/21/2016	ND	197	98.7	200	9.16		
Total TPH C6-C28	557	10.0	01/21/2016	ND	388	97.0	400	5.41		

Surrogate: 1-Chlorooctane 97.6 % 35-147

Surrogate: 1-Chlorooctadecane 108 % 28-171

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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 Project Location: SEC 2, T8S, R33ECHAVES CO, NM



 Sampling Date: 01/19/2016  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Celey D. Keene

**Sample ID: #6 (H600112-06)**

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	01/21/2016	ND	1.83	91.4	2.00	10.6		
Toluene*	<0.050	0.050	01/21/2016	ND	1.80	89.8	2.00	8.52		
Ethylbenzene*	<0.050	0.050	01/21/2016	ND	1.65	82.3	2.00	7.09		
Total Xylenes*	<0.150	0.150	01/21/2016	ND	5.11	85.1	6.00	6.58		
Total BTEX	<0.300	0.300	01/21/2016	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 99.1 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/20/2016	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	01/20/2016	ND	191	95.3	200	1.65		
<b>DRO &gt;C10-C28</b>	<b>57.0</b>	10.0	01/20/2016	ND	197	98.7	200	9.16		
<b>Total TPH C6-C28</b>	<b>57.0</b>	10.0	01/20/2016	ND	388	97.0	400	5.41		

Surrogate: 1-Chlorooctane 95.5 % 35-147

Surrogate: 1-Chlorooctadecane 106 % 28-171

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\*=Accredited Analyte

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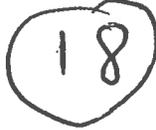


Celey D. Keene, Lab Director/Quality Manager

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 Project Number: NONE GIVEN  
 Project Location: SEC 2, T8S, R33ECHAVES CO, NM



 Sampling Date: 01/19/2016  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Celey D. Keene

**Sample ID: #7 (H600112-07)**

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	01/21/2016	ND	1.83	91.4	2.00	10.6	
Toluene*	<0.050	0.050	01/21/2016	ND	1.80	89.8	2.00	8.52	
Ethylbenzene*	<0.050	0.050	01/21/2016	ND	1.65	82.3	2.00	7.09	
Total Xylenes*	<0.150	0.150	01/21/2016	ND	5.11	85.1	6.00	6.58	
Total BTEX	<0.300	0.300	01/21/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 104 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/20/2016	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	01/20/2016	ND	191	95.3	200	1.65	
DRO >C10-C28	<10.0	10.0	01/20/2016	ND	197	98.7	200	9.16	
Total TPH C6-C28	<10.0	10.0	01/20/2016	ND	388	97.0	400	5.41	

Surrogate: 1-Chlorooctane 96.3 % 35-147

Surrogate: 1-Chlorooctadecane 97.3 % 28-171

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 Sampling Date: 01/19/2016  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Celey D. Keene

**Sample ID: #8 (H600112-08)**
**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	01/21/2016	ND	1.83	91.4	2.00	10.6	
Toluene*	<0.050	0.050	01/21/2016	ND	1.80	89.8	2.00	8.52	
Ethylbenzene*	<0.050	0.050	01/21/2016	ND	1.65	82.3	2.00	7.09	
Total Xylenes*	<0.150	0.150	01/21/2016	ND	5.11	85.1	6.00	6.58	
Total BTEX	<0.300	0.300	01/21/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 102 % 73.6-140

**Chloride, SM4500Cl-B**

mg/kg

Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/20/2016	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	01/21/2016	ND	191	95.3	200	1.65	
<b>DRO &gt;C10-C28</b>	<b>43.9</b>	10.0	01/21/2016	ND	197	98.7	200	9.16	
<b>Total TPH C6-C28</b>	<b>43.9</b>	10.0	01/21/2016	ND	388	97.0	400	5.41	

Surrogate: 1-Chlorooctane 95.2 % 35-147

Surrogate: 1-Chlorooctadecane 99.0 % 28-171

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 Sampling Date: 01/19/2016  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Celey D. Keene

**Sample ID: #9 (H600112-09)**

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	01/21/2016	ND	1.83	91.4	2.00	10.6		
Toluene*	<0.050	0.050	01/21/2016	ND	1.80	89.8	2.00	8.52		
Ethylbenzene*	<0.050	0.050	01/21/2016	ND	1.65	82.3	2.00	7.09		
Total Xylenes*	<0.150	0.150	01/21/2016	ND	5.11	85.1	6.00	6.58		
Total BTEX	<0.300	0.300	01/21/2016	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 101 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	01/20/2016	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	01/21/2016	ND	191	95.3	200	1.65		
DRO >C10-C28	137	10.0	01/21/2016	ND	197	98.7	200	9.16		
Total TPH C6-C28	137	10.0	01/21/2016	ND	388	97.0	400	5.41		

Surrogate: 1-Chlorooctane 71.9 % 35-147

Surrogate: 1-Chlorooctadecane 81.7 % 28-171

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 Sampling Date: 01/19/2016  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Celey D. Keene

**Sample ID: #10 (H600112-10)**

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	01/21/2016	ND	1.83	91.4	2.00	10.6		
Toluene*	<0.050	0.050	01/21/2016	ND	1.80	89.8	2.00	8.52		
Ethylbenzene*	<0.050	0.050	01/21/2016	ND	1.65	82.3	2.00	7.09		
Total Xylenes*	<0.150	0.150	01/21/2016	ND	5.11	85.1	6.00	6.58		
Total BTEX	<0.300	0.300	01/21/2016	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 101 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/20/2016	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	01/20/2016	ND	191	95.3	200	1.65		
DRO >C10-C28	<10.0	10.0	01/20/2016	ND	197	98.7	200	9.16		
Total TPH C6-C28	<10.0	10.0	01/20/2016	ND	388	97.0	400	5.41		

Surrogate: 1-Chlorooctane 91.6 % 35-147

Surrogate: 1-Chlorooctadecane 95.5 % 28-171

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