



303 Veterans Airpark Lane Midland, TX 79705

## **Deferment Request**

August 9, 2021

Re: Werta Federal CTB  
Case #nAB1905229182

On February 6, 2019 a release occurred due to livestock breached the battery fence and rubbed up on the oil circulating pump bleed off valve causing it to open. The release (GPS: 32.61018, -103.11777) is located south of Hobbs, NM in unit letter O section 35 township 19S range 38E. A remediation plan was submitted and denied on December 13, 2019. On January 15, 2020 a soil bore was conducted on the west side of the lease pad and advanced to a depth of 55 feet. The bore hole was left open for more than 48 hours and utilizing a water meter which indicated no presence of water to a depth of 55 feet. A remediation plan was resubmitted and approved by OCD with stipulations.

The release area around SP 1 was excavated to a depth of 5 feet below ground surface and the remaining impacted area was hand excavated to a depth of 1 foot. Final 5 point bottom and wall composite samples were collected not exceeding 200 square feet and submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. Laboratory results were above table one standards for TPH at W3, B3, B4, B5, and B6. W3 was further excavated and a final 5 point bottom composite sample (B11) and final 5 point wall composite sample was collected not to exceed 200 square feet and submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. All excavated soil was hauled to an OCD approved facility. Prior to backfilling the 1 foot excavation microbial strains were applied to the bottom. The excavation was backfilled with clean imported caliche to ground surface.

Apache Corporation has excavated the release area to the extent reasonable possible without removal of equipment and request that the area of the battery at B3, B4, B5, and B6 be deferred until removal of equipment or system of abandonment.

Enclosed: C-141, Maps, Sample Data, Laboratory Results, Photos, and Field Notes.

Submitted by;

*Bruce Baker*

**Environmental Technician SR.**

Larry.baker@apachecorp.com

**Cell# 432-631-6982**

Incident ID	
District RP	
Facility ID	
Application ID	

## Remediation Plan

**Remediation Plan Checklist:** *Each of the following items must be included in the plan.*

- Detailed description of proposed remediation technique
- Scaled sitemap with GPS coordinates showing delineation points
- Estimated volume of material to be remediated
- Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

**Deferral Requests Only:** *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- Extents of contamination must be fully delineated.
- Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.

Printed Name: Larry Baker Title: Environmental Tech SR.  
 Signature: Larry Baker Date: 8/9/2021  
 email: larry.baker@apachecorp.com Telephone: 432-631-6982

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

- Approved       Approved with Attached Conditions of Approval       Denied       Deferral Approved

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

5' Excavation

1' excavation



40 ft



B2

B3

B1

B11

B4

B5

B10

B6

B9

B7

B8

40 ft



Werta Federal



100 ft

Google Earth

## Final Samples

Sample Date	Sample ID	Depth	Chloride	Benzene	Toulene	Ethybenzene	Total Xylenes	Total BTEX	GRO	DRO	EXT DRO	GPS Coordinates
6/15/2021	W1	0-5'	160	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.5102311 -103.1178381
6/15/2021	W2	0-5'	48	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.6102080 -103.1178810
6/15/2021	W3	0-5'	352	<0.050	0.339	1.23	4.62	6.19	325	5810	1160	
7/19/2021	W3	0-5'	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	35	<10.0	32.6101885 -103.1178280
6/15/2021	W4	0-5'	176	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	11.1	<10.0	32.6102043 -103.1177965
6/15/2021	W5	Surface	192	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.6102388 -103.1178153
6/15/2021	W6	Surface	160	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.6100846 -103.1177475
6/15/2021	W7	Surface	128	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.6099069 -103.1178223
6/15/2021	W8	Surface	128	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.6100354 -103.1179011
7/19/2021	W9	1'	288	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	91.8	38	32.6100236 -103.1177992
7/19/2021	W10	1'	32	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.6100213 -103.1178595
6/15/2021	B1	5'	112	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.6102054 -103.1178086
6/15/2021	B2	5'	208	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	967	274	32.6102167 -103.1178417
6/15/2021	B3	1'	64	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1150	512	32.6102148 -103.1177687
6/15/2021	B4	1'	80	0.098	1.59	2.37	8.41	12.5	379	3780	663	32.6101882 -103.1177740
6/15/2021	B5	1'	96	<0.050	<0.050	<0.050	<0.150	<0.300	25.6	1630	653	32.6101552 -103.117777
6/15/2021	B6	1'	32	<0.050	<0.050	<0.050	<0.150	<0.300	14.9	1530	774	32.5100770 -103.1177643
6/15/2021	B7	1'	224	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.6099306 -103.1177720
6/15/2021	B8	1'	176	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.6099284 -103.1178744
6/15/2021	B9	1'	160	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.6100046 -103.1178800
6/15/2021	B10	1'	240	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.6100882 -103.1178783
7/19/2021	B11	5'	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	189	29.8	32.6101701 -103.1178297



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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June 21, 2021

JEFFREY BROOM

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: WERTA FED BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 06/15/21 17:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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](http://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



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

APACHE CORP - HOBBS  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

Received:	06/15/2021	Sampling Date:	06/15/2021
Reported:	06/21/2021	Sampling Type:	Soil
Project Name:	WERTA FED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: W 1 @ 5' (H211535-01)**

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	06/16/2021	ND	2.04	102	2.00	8.97	
Toluene*	<0.050	0.050	06/16/2021	ND	1.91	95.6	2.00	9.47	
Ethylbenzene*	<0.050	0.050	06/16/2021	ND	1.86	93.2	2.00	9.26	
Total Xylenes*	<0.150	0.150	06/16/2021	ND	5.68	94.7	6.00	8.84	
Total BTEX	<0.300	0.300	06/16/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	06/16/2021	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	06/16/2021	ND	227	114	200	3.11	
DRO >C10-C28*	<10.0	10.0	06/16/2021	ND	242	121	200	0.821	
EXT DRO >C28-C36	<10.0	10.0	06/16/2021	ND					

Surrogate: 1-Chlorooctane 81.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 77.2 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

APACHE CORP - HOBBS  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

Received:	06/15/2021	Sampling Date:	06/15/2021
Reported:	06/21/2021	Sampling Type:	Soil
Project Name:	WERTA FED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: W 2 @ 5' (H211535-02)**

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	06/16/2021	ND	2.04	102	2.00	8.97	
Toluene*	<0.050	0.050	06/16/2021	ND	1.91	95.6	2.00	9.47	
Ethylbenzene*	<0.050	0.050	06/16/2021	ND	1.86	93.2	2.00	9.26	
Total Xylenes*	<0.150	0.150	06/16/2021	ND	5.68	94.7	6.00	8.84	
Total BTEX	<0.300	0.300	06/16/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/16/2021	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	06/16/2021	ND	227	114	200	3.11	
DRO >C10-C28*	<10.0	10.0	06/16/2021	ND	242	121	200	0.821	
EXT DRO >C28-C36	<10.0	10.0	06/16/2021	ND					

Surrogate: 1-Chlorooctane 90.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 85.4 % 38.9-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

APACHE CORP - HOBBS  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

Received:	06/15/2021	Sampling Date:	06/15/2021
Reported:	06/21/2021	Sampling Type:	Soil
Project Name:	WERTA FED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: W 3 @ 5' (H211535-03)**

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/17/2021	ND	2.04	102	2.00	8.97	
<b>Toluene*</b>	<b>0.339</b>	0.050	06/17/2021	ND	1.91	95.6	2.00	9.47	
<b>Ethylbenzene*</b>	<b>1.23</b>	0.050	06/17/2021	ND	1.86	93.2	2.00	9.26	
<b>Total Xylenes*</b>	<b>4.62</b>	0.150	06/17/2021	ND	5.68	94.7	6.00	8.84	
<b>Total BTEX</b>	<b>6.19</b>	0.300	06/17/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 326 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>352</b>	16.0	06/16/2021	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>325</b>	50.0	06/16/2021	ND	227	114	200	3.11	
<b>DRO &gt;C10-C28*</b>	<b>5810</b>	50.0	06/16/2021	ND	242	121	200	0.821	
<b>EXT DRO &gt;C28-C36</b>	<b>1160</b>	50.0	06/16/2021	ND					

Surrogate: 1-Chlorooctane 178 % 44.3-133

Surrogate: 1-Chlorooctadecane 216 % 38.9-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

APACHE CORP - HOBBS  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

Received:	06/15/2021	Sampling Date:	06/15/2021
Reported:	06/21/2021	Sampling Type:	Soil
Project Name:	WERTA FED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: W 4 @ 5' (H211535-04)**

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	06/16/2021	ND	2.04	102	2.00	8.97	
Toluene*	<0.050	0.050	06/16/2021	ND	1.91	95.6	2.00	9.47	
Ethylbenzene*	<0.050	0.050	06/16/2021	ND	1.86	93.2	2.00	9.26	
Total Xylenes*	<0.150	0.150	06/16/2021	ND	5.68	94.7	6.00	8.84	
Total BTEX	<0.300	0.300	06/16/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>176</b>	16.0	06/16/2021	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	06/16/2021	ND	227	114	200	3.11	
<b>DRO &gt;C10-C28*</b>	<b>11.1</b>	10.0	06/16/2021	ND	242	121	200	0.821	
EXT DRO >C28-C36	<10.0	10.0	06/16/2021	ND					

Surrogate: 1-Chlorooctane 81.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 78.8 % 38.9-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

APACHE CORP - HOBBS  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

Received:	06/15/2021	Sampling Date:	06/15/2021
Reported:	06/21/2021	Sampling Type:	Soil
Project Name:	WERTA FED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: B 1 @ 5' (H211535-05)**

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	06/16/2021	ND	2.04	102	2.00	8.97	
Toluene*	<0.050	0.050	06/16/2021	ND	1.91	95.6	2.00	9.47	
Ethylbenzene*	<0.050	0.050	06/16/2021	ND	1.86	93.2	2.00	9.26	
Total Xylenes*	<0.150	0.150	06/16/2021	ND	5.68	94.7	6.00	8.84	
Total BTEX	<0.300	0.300	06/16/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	06/16/2021	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	06/16/2021	ND	227	114	200	3.11	
DRO >C10-C28*	<10.0	10.0	06/16/2021	ND	242	121	200	0.821	
EXT DRO >C28-C36	<10.0	10.0	06/16/2021	ND					

Surrogate: 1-Chlorooctane 88.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 84.5 % 38.9-142

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

APACHE CORP - HOBBS  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

Received:	06/15/2021	Sampling Date:	06/15/2021
Reported:	06/21/2021	Sampling Type:	Soil
Project Name:	WERTA FED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: B 2 @ 5' (H211535-06)**

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	06/16/2021	ND	2.04	102	2.00	8.97	
Toluene*	<0.050	0.050	06/16/2021	ND	1.91	95.6	2.00	9.47	
Ethylbenzene*	<0.050	0.050	06/16/2021	ND	1.86	93.2	2.00	9.26	
Total Xylenes*	<0.150	0.150	06/16/2021	ND	5.68	94.7	6.00	8.84	
Total BTEX	<0.300	0.300	06/16/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>208</b>	16.0	06/16/2021	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	06/16/2021	ND	227	114	200	3.11	
<b>DRO &gt;C10-C28*</b>	<b>967</b>	10.0	06/16/2021	ND	242	121	200	0.821	
<b>EXT DRO &gt;C28-C36</b>	<b>274</b>	10.0	06/16/2021	ND					

Surrogate: 1-Chlorooctane 76.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 87.2 % 38.9-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

APACHE CORP - HOBBS  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

Received:	06/15/2021	Sampling Date:	06/15/2021
Reported:	06/21/2021	Sampling Type:	Soil
Project Name:	WERTA FED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: B 3 @ 1' (H211535-07)**

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	06/16/2021	ND	2.04	102	2.00	8.97	
Toluene*	<0.050	0.050	06/16/2021	ND	1.91	95.6	2.00	9.47	
Ethylbenzene*	<0.050	0.050	06/16/2021	ND	1.86	93.2	2.00	9.26	
Total Xylenes*	<0.150	0.150	06/16/2021	ND	5.68	94.7	6.00	8.84	
Total BTEX	<0.300	0.300	06/16/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>64.0</b>	16.0	06/16/2021	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	06/17/2021	ND	227	114	200	3.11	
<b>DRO &gt;C10-C28*</b>	<b>1150</b>	10.0	06/17/2021	ND	242	121	200	0.821	
<b>EXT DRO &gt;C28-C36</b>	<b>512</b>	10.0	06/17/2021	ND					

Surrogate: 1-Chlorooctane 79.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 97.7 % 38.9-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

APACHE CORP - HOBBS  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

Received:	06/15/2021	Sampling Date:	06/15/2021
Reported:	06/21/2021	Sampling Type:	Soil
Project Name:	WERTA FED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: B 4 @ 1' (H211535-08)**

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.098</b>	0.050	06/16/2021	ND	2.04	102	2.00	8.97	
<b>Toluene*</b>	<b>1.59</b>	0.050	06/16/2021	ND	1.91	95.6	2.00	9.47	
<b>Ethylbenzene*</b>	<b>2.37</b>	0.050	06/16/2021	ND	1.86	93.2	2.00	9.26	
<b>Total Xylenes*</b>	<b>8.41</b>	0.150	06/16/2021	ND	5.68	94.7	6.00	8.84	
<b>Total BTEX</b>	<b>12.5</b>	0.300	06/16/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 223 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>80.0</b>	16.0	06/16/2021	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>379</b>	50.0	06/16/2021	ND	227	114	200	3.11	
<b>DRO &gt;C10-C28*</b>	<b>3780</b>	50.0	06/16/2021	ND	242	121	200	0.821	
<b>EXT DRO &gt;C28-C36</b>	<b>663</b>	50.0	06/16/2021	ND					

Surrogate: 1-Chlorooctane 117 % 44.3-133

Surrogate: 1-Chlorooctadecane 164 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

APACHE CORP - HOBBS  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

Received:	06/15/2021	Sampling Date:	06/15/2021
Reported:	06/21/2021	Sampling Type:	Soil
Project Name:	WERTA FED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: B 5 @ 1' (H211535-09)**

BTEX 8021B		mg/kg		Analyzed By: MS				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/16/2021	ND	2.04	102	2.00	8.97		
Toluene*	<0.050	0.050	06/16/2021	ND	1.91	95.6	2.00	9.47		
Ethylbenzene*	<0.050	0.050	06/16/2021	ND	1.86	93.2	2.00	9.26	GC-NC	
Total Xylenes*	<0.150	0.150	06/16/2021	ND	5.68	94.7	6.00	8.84		
Total BTEX	<0.300	0.300	06/16/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 164 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>96.0</b>	16.0	06/16/2021	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	
<b>GRO C6-C10*</b>	<b>25.6</b>	10.0	06/17/2021	ND	227	114	200	3.11		
<b>DRO &gt;C10-C28*</b>	<b>1630</b>	10.0	06/17/2021	ND	242	121	200	0.821		
<b>EXT DRO &gt;C28-C36</b>	<b>653</b>	10.0	06/17/2021	ND						

Surrogate: 1-Chlorooctane 89.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 112 % 38.9-142

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

APACHE CORP - HOBBS  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

Received:	06/15/2021	Sampling Date:	06/15/2021
Reported:	06/21/2021	Sampling Type:	Soil
Project Name:	WERTA FED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: B 6 @ 1' (H211535-10)**

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	06/16/2021	ND	2.04	102	2.00	8.97	
Toluene*	<0.050	0.050	06/16/2021	ND	1.91	95.6	2.00	9.47	
Ethylbenzene*	<0.050	0.050	06/16/2021	ND	1.86	93.2	2.00	9.26	GC-NC
Total Xylenes*	<0.150	0.150	06/16/2021	ND	5.68	94.7	6.00	8.84	
Total BTEX	<0.300	0.300	06/16/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 134 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>32.0</b>	16.0	06/16/2021	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
<b>GRO C6-C10*</b>	<b>14.9</b>	10.0	06/17/2021	ND	227	114	200	3.11	
<b>DRO &gt;C10-C28*</b>	<b>1530</b>	10.0	06/17/2021	ND	242	121	200	0.821	
<b>EXT DRO &gt;C28-C36</b>	<b>774</b>	10.0	06/17/2021	ND					

Surrogate: 1-Chlorooctane 88.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 113 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

APACHE CORP - HOBBS  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

Received:	06/15/2021	Sampling Date:	06/15/2021
Reported:	06/21/2021	Sampling Type:	Soil
Project Name:	WERTA FED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: W 5 @ SURFACE (H211535-11)**

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	06/16/2021	ND	2.04	102	2.00	8.97	
Toluene*	<0.050	0.050	06/16/2021	ND	1.91	95.6	2.00	9.47	
Ethylbenzene*	<0.050	0.050	06/16/2021	ND	1.86	93.2	2.00	9.26	
Total Xylenes*	<0.150	0.150	06/16/2021	ND	5.68	94.7	6.00	8.84	
Total BTEX	<0.300	0.300	06/16/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	06/16/2021	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	06/16/2021	ND	227	114	200	3.11	
DRO >C10-C28*	<10.0	10.0	06/16/2021	ND	242	121	200	0.821	
EXT DRO >C28-C36	<10.0	10.0	06/16/2021	ND					

Surrogate: 1-Chlorooctane 88.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 85.7 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

APACHE CORP - HOBBS  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

Received:	06/15/2021	Sampling Date:	06/15/2021
Reported:	06/21/2021	Sampling Type:	Soil
Project Name:	WERTA FED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: W 6 @ SURFACE (H211535-12)**

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	06/16/2021	ND	2.04	102	2.00	8.97	
Toluene*	<0.050	0.050	06/16/2021	ND	1.91	95.6	2.00	9.47	
Ethylbenzene*	<0.050	0.050	06/16/2021	ND	1.86	93.2	2.00	9.26	
Total Xylenes*	<0.150	0.150	06/16/2021	ND	5.68	94.7	6.00	8.84	
Total BTEX	<0.300	0.300	06/16/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	06/16/2021	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	06/16/2021	ND	227	114	200	3.11	
DRO >C10-C28*	<10.0	10.0	06/16/2021	ND	242	121	200	0.821	
EXT DRO >C28-C36	<10.0	10.0	06/16/2021	ND					

Surrogate: 1-Chlorooctane 83.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 80.7 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

APACHE CORP - HOBBS  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

Received:	06/15/2021	Sampling Date:	06/15/2021
Reported:	06/21/2021	Sampling Type:	Soil
Project Name:	WERTA FED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: W 7 @ SURFACE (H211535-13)**

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	06/16/2021	ND	2.04	102	2.00	8.97	
Toluene*	<0.050	0.050	06/16/2021	ND	1.91	95.6	2.00	9.47	
Ethylbenzene*	<0.050	0.050	06/16/2021	ND	1.86	93.2	2.00	9.26	
Total Xylenes*	<0.150	0.150	06/16/2021	ND	5.68	94.7	6.00	8.84	
Total BTEX	<0.300	0.300	06/16/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	06/16/2021	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	06/16/2021	ND	227	114	200	3.11	
DRO >C10-C28*	<10.0	10.0	06/16/2021	ND	242	121	200	0.821	
EXT DRO >C28-C36	<10.0	10.0	06/16/2021	ND					

Surrogate: 1-Chlorooctane 90.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 86.5 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

APACHE CORP - HOBBS  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

Received:	06/15/2021	Sampling Date:	06/15/2021
Reported:	06/21/2021	Sampling Type:	Soil
Project Name:	WERTA FED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: W 8 @ SURFACE (H211535-14)**

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	06/17/2021	ND	2.06	103	2.00	3.40	
Toluene*	<0.050	0.050	06/17/2021	ND	2.13	107	2.00	6.71	
Ethylbenzene*	<0.050	0.050	06/17/2021	ND	2.10	105	2.00	2.77	
Total Xylenes*	<0.150	0.150	06/17/2021	ND	6.31	105	6.00	3.05	
Total BTEX	<0.300	0.300	06/17/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	06/16/2021	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	06/16/2021	ND	227	114	200	3.11	
DRO >C10-C28*	<10.0	10.0	06/16/2021	ND	242	121	200	0.821	
EXT DRO >C28-C36	<10.0	10.0	06/16/2021	ND					

Surrogate: 1-Chlorooctane 75.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 72.7 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

APACHE CORP - HOBBS  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

Received:	06/15/2021	Sampling Date:	06/15/2021
Reported:	06/21/2021	Sampling Type:	Soil
Project Name:	WERTA FED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: B 7 @ 1' (H211535-15)**

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	06/17/2021	ND	2.06	103	2.00	3.40	
Toluene*	<0.050	0.050	06/17/2021	ND	2.13	107	2.00	6.71	
Ethylbenzene*	<0.050	0.050	06/17/2021	ND	2.10	105	2.00	2.77	
Total Xylenes*	<0.150	0.150	06/17/2021	ND	6.31	105	6.00	3.05	
Total BTEX	<0.300	0.300	06/17/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	06/16/2021	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	06/16/2021	ND	227	114	200	3.11	
DRO >C10-C28*	<10.0	10.0	06/16/2021	ND	242	121	200	0.821	
EXT DRO >C28-C36	<10.0	10.0	06/16/2021	ND					

Surrogate: 1-Chlorooctane 85.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 85.0 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

APACHE CORP - HOBBS  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

Received:	06/15/2021	Sampling Date:	06/15/2021
Reported:	06/21/2021	Sampling Type:	Soil
Project Name:	WERTA FED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: B 8 @ 1' (H211535-16)**

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	06/17/2021	ND	2.06	103	2.00	3.40	
Toluene*	<0.050	0.050	06/17/2021	ND	2.13	107	2.00	6.71	
Ethylbenzene*	<0.050	0.050	06/17/2021	ND	2.10	105	2.00	2.77	
Total Xylenes*	<0.150	0.150	06/17/2021	ND	6.31	105	6.00	3.05	
Total BTEX	<0.300	0.300	06/17/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	06/16/2021	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	06/17/2021	ND	227	114	200	3.11	
DRO >C10-C28*	<10.0	10.0	06/17/2021	ND	242	121	200	0.821	
EXT DRO >C28-C36	<10.0	10.0	06/17/2021	ND					

Surrogate: 1-Chlorooctane 82.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 80.9 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

APACHE CORP - HOBBS  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

Received:	06/15/2021	Sampling Date:	06/15/2021
Reported:	06/21/2021	Sampling Type:	Soil
Project Name:	WERTA FED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: B 9 @ 1' (H211535-17)**

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	06/17/2021	ND	2.06	103	2.00	3.40	
Toluene*	<0.050	0.050	06/17/2021	ND	2.13	107	2.00	6.71	
Ethylbenzene*	<0.050	0.050	06/17/2021	ND	2.10	105	2.00	2.77	
Total Xylenes*	<0.150	0.150	06/17/2021	ND	6.31	105	6.00	3.05	
Total BTEX	<0.300	0.300	06/17/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	06/16/2021	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	06/16/2021	ND	183	91.7	200	0.916	
DRO >C10-C28*	<10.0	10.0	06/16/2021	ND	206	103	200	7.33	
EXT DRO >C28-C36	<10.0	10.0	06/16/2021	ND					

Surrogate: 1-Chlorooctane 78.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 76.4 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

APACHE CORP - HOBBS  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

Received:	06/15/2021	Sampling Date:	06/15/2021
Reported:	06/21/2021	Sampling Type:	Soil
Project Name:	WERTA FED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: B 10 @ 1' (H211535-18)**

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	06/17/2021	ND	2.06	103	2.00	3.40	
Toluene*	<0.050	0.050	06/17/2021	ND	2.13	107	2.00	6.71	
Ethylbenzene*	<0.050	0.050	06/17/2021	ND	2.10	105	2.00	2.77	
Total Xylenes*	<0.150	0.150	06/17/2021	ND	6.31	105	6.00	3.05	
Total BTEX	<0.300	0.300	06/17/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	06/16/2021	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	06/16/2021	ND	183	91.7	200	0.916	
DRO >C10-C28*	<10.0	10.0	06/16/2021	ND	206	103	200	7.33	
EXT DRO >C28-C36	<10.0	10.0	06/16/2021	ND					

Surrogate: 1-Chlorooctane 68.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 69.7 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
GC-NC 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
\*\* Samples not received at proper temperature of 6°C or below.
\*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

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**

<b>Company Name:</b> <u>Apex</u> <b>Project Manager:</b> <u>Jeff Brown</u>		<b>P.O. #:</b> <b>Company:</b>	
<b>Address:</b> City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88240</u>		<b>Attn:</b> <b>Address:</b>	
<b>Phone #:</b> Fax #:		<b>City:</b> State: Zip:	
<b>Project #:</b> Project Owner:		<b>Phone #:</b>	
<b>Project Name:</b>		<b>Fax #:</b>	
<b>Project Location:</b> <u>Wenta Fed Battery</u>		<b>Sample Name:</b> <u>Joe Gussel</u>	
FOR LAB USE ONLY		<b>SAMPLING</b>	
<b>Lab I.D.</b> <u>H21535</u>	<b>Sample I.D.</b> 1 W1 @ 5' 2 W2 @ 5' 3 W3 @ 5' 4 W4 @ 5' 5 B1 @ 5' 6 B2 @ 5' 7 B3 @ 1' 8 B4 @ 1' 9 B5 @ 1' 10 B6 @ 1'	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: (C) ICE / COOL OTHER :	DATE TIME 6/15 3:20 3:22 3:24 3:26 3:28 3:30 3:32 3:34 3:36 3:38
<b>Relinquished By:</b> <u>[Signature]</u> Date: <u>6/15</u> Time: <u>7:05</u>		<b>Received By:</b> <u>[Signature]</u> Date: _____ Time: _____	
<b>Delivered By:</b> (Circle One) Observed Temp. °C: <u>2.8</u>		Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Corrected Temp. °C: _____		CHECKED BY: (Initials) <u>YO.</u>	
Turnaround Time: _____		Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>	
Bacteria (only) <input checked="" type="checkbox"/>		Sample Condition: Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	
Observed Temp. °C: _____		Corrected Temp. °C: _____	





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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July 20, 2021

JEFFREY BROOM

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: WERTA FED BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 07/19/21 16:44.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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](http://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



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

APACHE CORP - HOBBS  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

Received:	07/19/2021	Sampling Date:	07/19/2021
Reported:	07/20/2021	Sampling Type:	Soil
Project Name:	WERTA FED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: W 3 BGS 1'-5' (H211879-01)**

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	07/20/2021	ND	1.95	97.6	2.00	6.93		
Toluene*	<0.050	0.050	07/20/2021	ND	2.11	105	2.00	7.33		
Ethylbenzene*	<0.050	0.050	07/20/2021	ND	2.04	102	2.00	7.49	GC-NC	
Total Xylenes*	<0.150	0.150	07/20/2021	ND	6.11	102	6.00	6.66	GC-NC	
Total BTEX	<0.300	0.300	07/20/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>80.0</b>	16.0	07/20/2021	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	07/20/2021	ND	238	119	200	17.3		
<b>DRO &gt;C10-C28*</b>	<b>35.0</b>	10.0	07/20/2021	ND	230	115	200	3.91		
EXT DRO >C28-C36	<10.0	10.0	07/20/2021	ND						

Surrogate: 1-Chlorooctane 108 % 44.3-133

Surrogate: 1-Chlorooctadecane 124 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

APACHE CORP - HOBBS  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

Received:	07/19/2021	Sampling Date:	07/19/2021
Reported:	07/20/2021	Sampling Type:	Soil
Project Name:	WERTA FED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: B 11 @ 5 (H211879-02)**

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	07/20/2021	ND	1.95	97.6	2.00	6.93	
Toluene*	<0.050	0.050	07/20/2021	ND	2.11	105	2.00	7.33	
Ethylbenzene*	<0.050	0.050	07/20/2021	ND	2.04	102	2.00	7.49	
Total Xylenes*	<0.150	0.150	07/20/2021	ND	6.11	102	6.00	6.66	
Total BTEX	<0.300	0.300	07/20/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>80.0</b>	16.0	07/20/2021	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	07/20/2021	ND	238	119	200	17.3	
<b>DRO &gt;C10-C28*</b>	<b>189</b>	10.0	07/20/2021	ND	230	115	200	3.91	
<b>EXT DRO &gt;C28-C36</b>	<b>29.8</b>	10.0	07/20/2021	ND					

Surrogate: 1-Chlorooctane 112 % 44.3-133

Surrogate: 1-Chlorooctadecane 137 % 38.9-142

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

- QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
GC-NC 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
\*\* Samples not received at proper temperature of 6°C or below.
\*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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July 20, 2021

JEFFREY BROOM

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: WERTA FED BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 07/19/21 16:44.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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](http://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 style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

APACHE CORP - HOBBS  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

Received:	07/19/2021	Sampling Date:	07/19/2021
Reported:	07/20/2021	Sampling Type:	Soil
Project Name:	WERTA FED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: W 9 (H211880-01)**

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	07/20/2021	ND	1.95	97.6	2.00	6.93	
Toluene*	<0.050	0.050	07/20/2021	ND	2.11	105	2.00	7.33	
Ethylbenzene*	<0.050	0.050	07/20/2021	ND	2.04	102	2.00	7.49	
Total Xylenes*	<0.150	0.150	07/20/2021	ND	6.11	102	6.00	6.66	
Total BTEX	<0.300	0.300	07/20/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>288</b>	16.0	07/20/2021	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	07/20/2021	ND	238	119	200	17.3	
<b>DRO &gt;C10-C28*</b>	<b>91.8</b>	10.0	07/20/2021	ND	230	115	200	3.91	
<b>EXT DRO &gt;C28-C36</b>	<b>38.0</b>	10.0	07/20/2021	ND					

Surrogate: 1-Chlorooctane 108 % 44.3-133

Surrogate: 1-Chlorooctadecane 129 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

APACHE CORP - HOBBS  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

Received:	07/19/2021	Sampling Date:	07/19/2021
Reported:	07/20/2021	Sampling Type:	Soil
Project Name:	WERTA FED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: W 10 (H211880-02)**

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	07/20/2021	ND	1.95	97.6	2.00	6.93	
Toluene*	<0.050	0.050	07/20/2021	ND	2.11	105	2.00	7.33	
Ethylbenzene*	<0.050	0.050	07/20/2021	ND	2.04	102	2.00	7.49	
Total Xylenes*	<0.150	0.150	07/20/2021	ND	6.11	102	6.00	6.66	
Total BTEX	<0.300	0.300	07/20/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/20/2021	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	07/20/2021	ND	238	119	200	17.3	
DRO >C10-C28*	<10.0	10.0	07/20/2021	ND	230	115	200	3.91	
EXT DRO >C28-C36	<10.0	10.0	07/20/2021	ND					

Surrogate: 1-Chlorooctane 110 % 44.3-133

Surrogate: 1-Chlorooctadecane 125 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
\*\* Samples not received at proper temperature of 6°C or below.
\*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

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**

*Rush!*

**BILL TO**

**ANALYSIS REQUEST**

Company Name: Agave  
 Project Manager: Jeff Brown  
 Address: \_\_\_\_\_  
 City: Hobbs State: NM zip: 88240  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_  
 Project #: \_\_\_\_\_ Project Owner: \_\_\_\_\_  
 Project Name: \_\_\_\_\_  
 Project Location: Wetter Feed Battery  
 Sampler Name: Joe Casanova Jr  
 P.O. #: \_\_\_\_\_ Company: \_\_\_\_\_  
 Attn: \_\_\_\_\_ Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_

Lab I.D.	Sample I.D.	(G)RAB OR (C)OIR	# CONTAINERS	MATRIX						PRESERV	DATE	TIME	SAMPLING
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER				
<u>H211880</u>	<u>1 usg</u>	<u>CA</u>	<u>1</u>						<u>ICE</u>	<u>7-19</u>	<u>2:34</u>	<u>X</u>	
<u>2 usg</u>	<u>2 usg</u>	<u>C1</u>	<u>1</u>						<u>ICE</u>	<u>7-19</u>	<u>2:36</u>	<u>X</u>	
												<u>X</u>	
												<u>X</u>	
												<u>X</u>	

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Relinquished By: Joe Casanova Jr Date: 7-19 Time: 16:44  
 Received By: Jawana Clark  
 Delivered By: (Circle One) 2-8 Observed Temp. °C 2-8 Sample Condition Yes Intact Yes  
 Sampler - UPS - Bus - Other: \_\_\_\_\_ Corrected Temp. °C \_\_\_\_\_  
 Checked By: JD  
 Turnaround Time: \_\_\_\_\_ Standard Rush Bacteria (only) Sample Condition Yes  
 Thermometer ID #113 \_\_\_\_\_ Cool Intact Yes Observed Temp. °C \_\_\_\_\_  
 Correction Factor None No Corrected Temp. °C \_\_\_\_\_  
 Verbal Result:  Yes  No Add'l Phone #: \_\_\_\_\_  
 All Results are emailed. Please provide Email address: \_\_\_\_\_  
 REMARKS: \_\_\_\_\_  
 Cardinal cannot accept verbal changes. Please email changes to [celey.keene@cardinallabsnm.com](mailto:celey.keene@cardinallabsnm.com)



Further Excavation  
B11

# North West Elevation

☀ 157°SE (T)   ● 32°36'36"N, 103°7'4"W ±13ft   ▲ 3585ft



# West Elevation

☀ 86°E (T)   ● 32°36'35"N, 103°7'4"W ±114ft   ▲ 3582ft



# North West Elevation

☀ 116°SE (T) ● 32°36'35"N, 103°7'4"W ±22ft ▲ 3582ft



# North Elevation

☉ 184°S (T) ● 32°36'36"N, 103°7'4"W ±13ft ▲ 3584ft



# West Elevation

☉ 103°E (T) ● 32°36'35"N, 103°7'3"W ±13ft ▲ 3577ft



28 Jun 2021, 16:19:56

# East Elevation

☉ 249°W (T) ● 32°36'37"N, 103°7'3"W ±13ft ▲ 3585ft



# North East Elevation

☉ 219°SW (T) ● 32°36'37"N, 103°7'4"W ±13ft ▲ 3584ft



# North West Elevation

☀ 119°SE (T) ● 32°36'36"N, 103°7'4"W ±16ft ▲ 3586ft



# South Elevation

☀ 16°N (T) ● 32°36'35"N, 103°7'4"W ±13ft ▲ 3581ft



24 Jun 2021, 10:30:27

# South West Elevation

☀ 66°NE (T) ☉ 32°36'35"N, 103°7'4"W ±13ft ▲ 3583ft





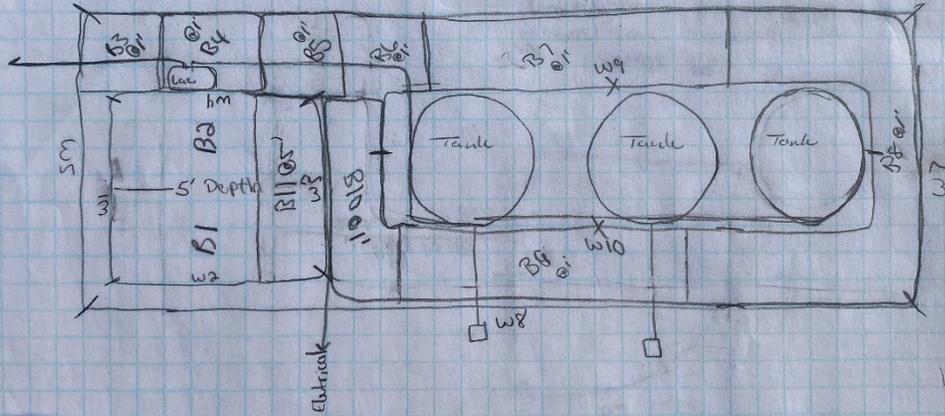
# North Elevation

☀ 193°S (T) ● 32°36'36"N, 103°7'3"W ±13ft ▲ 3584ft



### Apache Werba Battery

w1	32.6102311	-103.1178381	B5	32.610552	-103.117777	B9	32.6100046	-103.1178800
w2	32.6102080	-103.1178210	B6	32.6100710	-103.1177643	B10	32.6106942	-103.1178783
w3	32.6101885	-103.1178280	w5	32.6102388	-103.1178153	B11	32.6101701	-103.1178297
w4	32.6102043	-103.1177965	w6	32.6100946	-103.1177475	w9	32.6100236	-103.1177992
B1	32.6102054	-103.1178086	w7	32.61049064	-103.1178223	w10	32.6100213	-103.1178595
B2	32.6102167	-103.1178417	w8	32.6100354	-103.1179011			
B3	32.6102148	-103.1177687	B7	32.6099304	-103.1177720			
B4	32.6101882	-103.1177740	B8	32.6099284	-103.1178744			



Incident ID	NAB1905229182
District RP	
Facility ID	
Application ID	

## Remediation Plan

**Remediation Plan Checklist:** Each of the following items must be included in the plan.

- Detailed description of proposed remediation technique
- Scaled sitemap with GPS coordinates showing delineation points
- Estimated volume of material to be remediated
- Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

**Deferral Requests Only:** Each of the following items must be confirmed as part of any request for deferral of remediation.

- Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- Extents of contamination must be fully delineated.
- Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.

Printed Name: Larry Baker Title: Environmental Tech SR.  
 Signature: Larry Baker Date: 8/9/2021  
 email: larry.baker@apachecorp.com Telephone: 432-631-6982

**OCD Only**

Received by: Robert Hamlet Date: 11/17/2021

- Approved       Approved with Attached Conditions of Approval       Denied       Deferral Approved

Signature: Robert Hamlet Date: 11/17/2021

**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
 Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
 811 S. First St., Artesia, NM 88210  
 Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS  
 Action 40889

**CONDITIONS**

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID: 873
	Action Number: 40889
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
rhamlet	Apache's deferral requests to complete final remediation of impacted soil in the areas of B3, B4, B5, and B6 during any future major deconstruction/alteration and/or abandonment, whichever occurs first. At this time, OCD approves the request. The Deferral Request and C-141 will be accepted for record and marked accordingly. The release will remain open in OCD database files and reflect an open environmental issue.	11/17/2021