



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: \_\_\_\_\_

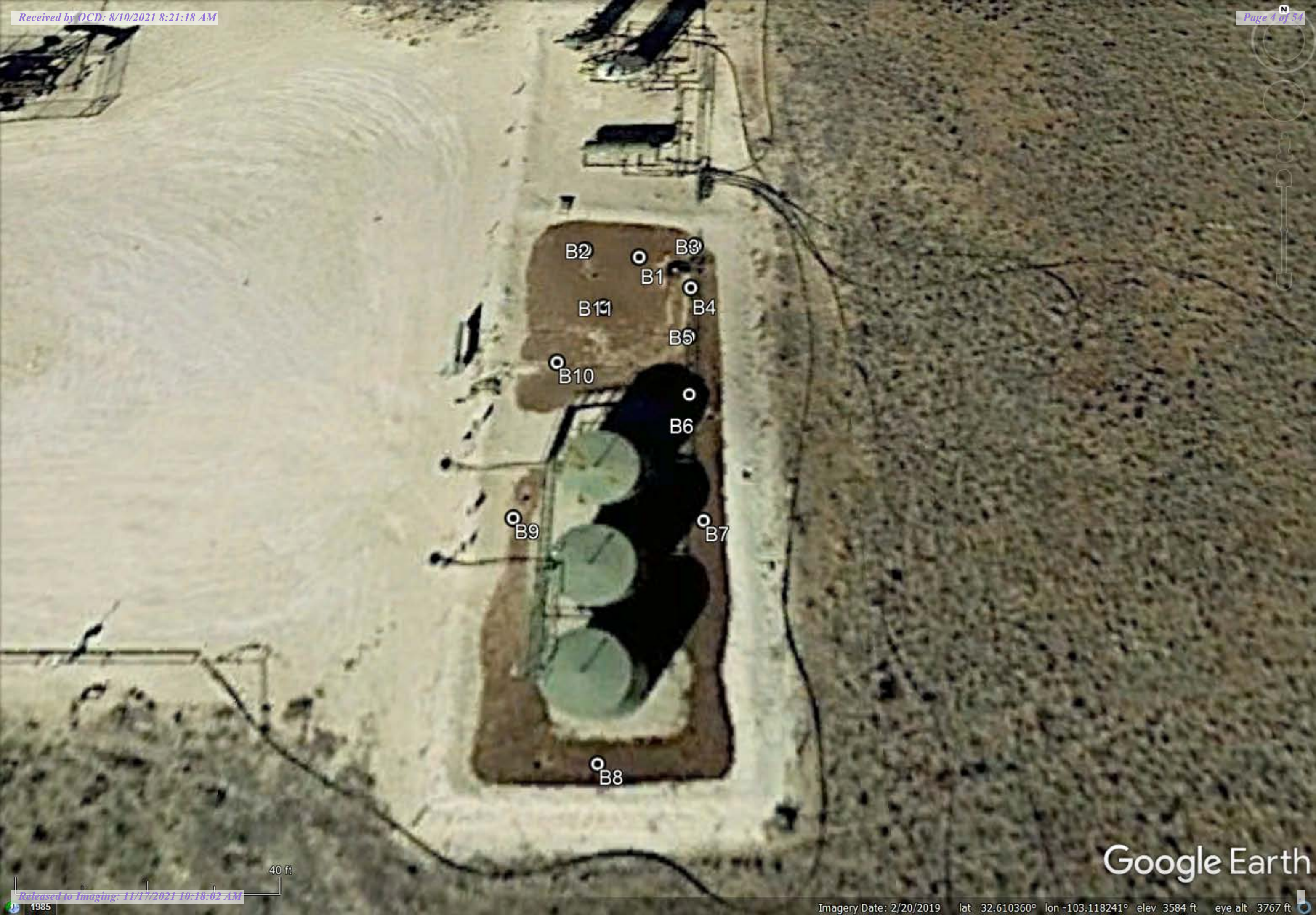


5' Excavation

1' excavation

Google Earth





Google Earth





Werta Federal

W1 W5  
W2 W4  
W3  
W8 W6  
W10 W9  
W7

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)**

BTX 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 BTX	<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  
 Reported: 06/21/2021  
 Project Name: WERTA FED BATTERY  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 06/15/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

BTX 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 BTX	<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	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  
 Reported: 06/21/2021  
 Project Name: WERTA FED BATTERY  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 06/15/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

BTX 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	
Toluene*	0.339	0.050	06/17/2021	ND	1.91	95.6	2.00	9.47	
Ethylbenzene*	1.23	0.050	06/17/2021	ND	1.86	93.2	2.00	9.26	
Total Xylenes*	4.62	0.150	06/17/2021	ND	5.68	94.7	6.00	8.84	
Total BTX	6.19	0.300	06/17/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 326 % 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	352	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
GRO C6-C10*	325	50.0	06/16/2021	ND	227	114	200	3.11	
DRO >C10-C28*	5810	50.0	06/16/2021	ND	242	121	200	0.821	
EXT DRO >C28-C36	1160	50.0	06/16/2021	ND					

Surrogate: 1-Chlorooctane 178 % 44.3-133

Surrogate: 1-Chlorooctadecane 216 % 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  
 Reported: 06/21/2021  
 Project Name: WERTA FED BATTERY  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 06/15/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

BTX 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 BTX	<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	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	06/16/2021	ND	227	114	200	3.11	
DRO >C10-C28*	11.1	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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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  
 Reported: 06/21/2021  
 Project Name: WERTA FED BATTERY  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 06/15/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

BTX 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 BTX	<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	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

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  
 Reported: 06/21/2021  
 Project Name: WERTA FED BATTERY  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 06/15/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	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*	967	10.0	06/16/2021	ND	242	121	200	0.821	
EXT DRO >C28-C36	274	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  
 Reported: 06/21/2021  
 Project Name: WERTA FED BATTERY  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 06/15/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

BTX 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 BTX	<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	64.0	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	06/17/2021	ND	227	114	200	3.11	
DRO >C10-C28*	1150	10.0	06/17/2021	ND	242	121	200	0.821	
EXT DRO >C28-C36	512	10.0	06/17/2021	ND					

Surrogate: 1-Chlorooctane 79.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 97.7 % 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  
 Reported: 06/21/2021  
 Project Name: WERTA FED BATTERY  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 06/15/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

BTX 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 BTX</b>	<b>12.5</b>	0.300	06/16/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 223 % 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>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  
 Reported: 06/21/2021  
 Project Name: WERTA FED BATTERY  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 06/15/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

BTX 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 BTX	<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
Chloride	96.0	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*	25.6	10.0	06/17/2021	ND	227	114	200	3.11	
DRO >C10-C28*	1630	10.0	06/17/2021	ND	242	121	200	0.821	
EXT DRO >C28-C36	653	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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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  
 Reported: 06/21/2021  
 Project Name: WERTA FED BATTERY  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 06/15/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

BTX 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 BTX	<0.300	0.300	06/16/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 134 % 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	32.0	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*	14.9	10.0	06/17/2021	ND	227	114	200	3.11	
DRO >C10-C28*	1530	10.0	06/17/2021	ND	242	121	200	0.821	
EXT DRO >C28-C36	774	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  
 Reported: 06/21/2021  
 Project Name: WERTA FED BATTERY  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 06/15/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

BTX 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 BTX	<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  
 Reported: 06/21/2021  
 Project Name: WERTA FED BATTERY  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 06/15/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

BTX 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 BTX	<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  
 Reported: 06/21/2021  
 Project Name: WERTA FED BATTERY  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 06/15/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

BTX 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 BTX	<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  
 Reported: 06/21/2021  
 Project Name: WERTA FED BATTERY  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 06/15/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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, SM4500Cl-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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\*=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  
 Reported: 06/21/2021  
 Project Name: WERTA FED BATTERY  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 06/15/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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  
 Reported: 06/21/2021  
 Project Name: WERTA FED BATTERY  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 06/15/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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, SM4500Cl-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  
 Reported: 06/21/2021  
 Project Name: WERTA FED BATTERY  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 06/15/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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  
 Reported: 06/21/2021  
 Project Name: WERTA FED BATTERY  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 06/15/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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, SM4500CI-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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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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### 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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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

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>Agave</u> <b>Project Manager:</b> <u>Jeff Brown</u> <b>Address:</b> <b>City:</b> <u>Hobbs</u> <b>State:</b> <u>NM</u> <b>Zip:</b> <u>88240</u> <b>Phone #:</b> <b>Fax #:</b> <b>Project #:</b> <b>Project Owner:</b> <b>Project Name:</b> <b>Project Location:</b> <u>Wester Field Battery</u> <b>Sample Name:</b> <u>Joe Cusack</u> <b>FOR LAB USE ONLY</b>				<b>P.O. #:</b> <b>Company:</b> <b>Attn:</b> <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b>			
<b>Lab I.D.</b> <u>H21535</u> <b>Sample I.D.</b>				<b>BILL TO</b>			
<b>Matrix:</b> <input checked="" type="checkbox"/> (G)RAB OR <input checked="" type="checkbox"/> (C)OMP <input type="checkbox"/> # CONTAINERS <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> WASTEWATER <input type="checkbox"/> SOIL <input type="checkbox"/> OIL <input type="checkbox"/> SLUDGE <input type="checkbox"/> OTHER : <input type="checkbox"/> ACID/BASE: <input checked="" type="checkbox"/> ICE / <input type="checkbox"/> COOL <input type="checkbox"/> OTHER :				<b>PRESERV</b> <b>SAMPLING</b>			
<b>DATE</b> <u>6/15</u> <b>TIME</b> <u>3:20</u>				<b>EXT TYPH</b> <b>BTEX</b>			
<b>1</b> <u>W1 05'</u> <u>C</u> <u>1</u> <u>6/15</u> <u>3:22</u> <u>X</u>							
<b>2</b> <u>W2 05'</u> <u>1</u> <u>1</u> <u>6/15</u> <u>3:24</u> <u>X</u>							
<b>3</b> <u>W3 05'</u> <u>1</u> <u>1</u> <u>6/15</u> <u>3:24</u> <u>X</u>							
<b>4</b> <u>W4 05'</u> <u>1</u> <u>1</u> <u>6/15</u> <u>3:28</u> <u>1</u>							
<b>5</b> <u>B1 05'</u> <u>1</u> <u>1</u> <u>6/15</u> <u>3:30</u> <u>1</u>							
<b>6</b> <u>B2 05'</u> <u>1</u> <u>1</u> <u>6/15</u> <u>3:32</u> <u>1</u>							
<b>7</b> <u>B3 05'</u> <u>1</u> <u>1</u> <u>6/15</u> <u>3:34</u> <u>1</u>							
<b>8</b> <u>B4 05'</u> <u>1</u> <u>1</u> <u>6/15</u> <u>3:36</u> <u>1</u>							
<b>9</b> <u>B5 05'</u> <u>1</u> <u>1</u> <u>6/15</u> <u>3:38</u> <u>1</u>							
<b>10</b> <u>B6 05'</u> <u>1</u> <u>1</u> <u>6/15</u> <u>3:38</u> <u>1</u>							

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<b>Relinquished By:</b> <u>Joe Cusack</u> <b>Date:</b> <u>6/15</u> <b>Received By:</b> <u>Joe Cusack</u>		<b>Verbal Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Add'l Phone #:</b>	
<b>Reiminished By:</b> <u>Joe Cusack</u> <b>Date:</b> <u>6/15</u> <b>Received By:</b> <u>Joe Cusack</u>		<b>All Results are emailed. Please provide Email address:</b>	
<b>REMARKS:</b>			

<b>Delivered By:</b> (Circle One) Sampler - UPS - Bus - Other:	<b>Observed Temp. °C</b> <u>2.8</u> <b>Corrected Temp. °C</b>	<b>Sample Condition</b> <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	<b>CHECKED BY:</b> (Initials) <u>Y.O.</u>	<b>Turnaround Time:</b> <b>Thermometer ID #113</b> <b>Correction Factor</b> None	<b>Standard</b> <input checked="" type="checkbox"/> <b>Rush</b> <input type="checkbox"/> <b>Bacteria (only)</b> <input type="checkbox"/> <b>Sample Condition</b> <input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Observed Temp. °C</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Corrected Temp. °C</b>
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101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Acme  
Project Manager: Jeff Brown  
Address: 123 Main St  
City: Memphis State: MS Zip: 38101  
Phone #: 901-555-1234 Fax #: 901-555-5678  
Project #: 12345 Project Owner: Acme Corp  
Project Name: Site Investigation  
Project Location: 123 Main St  
Sample Name: 123 Main St  
FOR LAB USE ONLY

Lab I.D. Sample I.D.

DATE TIME

Matrix: GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER: ICE

ACID/BASE: ICE COOL OTHER: ICE

DATE TIME

Verbal Result: ☐ Yes ☐ No Add'l Phone #: 901-555-1234

Standard Rush Bacteria (only) Sample Condition Observed 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". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

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  
 Reported: 07/20/2021  
 Project Name: WERTA FED BATTERY  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 07/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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
Chloride	80.0	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*	35.0	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 108 % 44.3-133

Surrogate: 1-Chlorooctadecane 124 % 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: 07/19/2021  
 Reported: 07/20/2021  
 Project Name: WERTA FED BATTERY  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 07/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

BTX 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 BTX	<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
Chloride	80.0	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*	189	10.0	07/20/2021	ND	230	115	200	3.91	
EXT DRO >C28-C36	29.8	10.0	07/20/2021	ND					

Surrogate: 1-Chlorooctane 112 % 44.3-133

Surrogate: 1-Chlorooctadecane 137 % 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.
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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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



Rush!

Page 5 of 5





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, 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:	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)**

BTX 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 BTX	<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	
Chloride	288	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*	91.8	10.0	07/20/2021	ND	230	115	200	3.91	
EXT DRO >C28-C36	38.0	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  
 Reported: 07/20/2021  
 Project Name: WERTA FED BATTERY  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 07/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

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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

*Bush!*

Company Name: <b>Agave</b>		P.O. #:		BILL TO												ANALYSIS REQUEST																									
Project Manager: <b>Jeff Brown</b>		Company:																																							
Address:		Attn:																																							
City: <b>Hobbs</b>		Address:																																							
Phone #:		City:																																							
Project #:		State:																																							
Project Name:		Zip:																																							
Project Location: <b>Water Fed Battery</b>		Phone #:																																							
Sampler Name: <b>Joe Casanova Jr</b>		Fax #:																																							
FOR LAB USE ONLY																																									
Lab I.D.	Sample I.D.	(G)RAB OR (C)OVR	# CONTAINERS	MATRIX				PRESERV	SAMPLING																																
<b>H211880</b>				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE/COOL	OTHER:	DATE	TIME																											
<b>1</b>	<b>W10</b>	<b>C9</b>	<b>1</b>										<b>7-19</b>	<b>2:34</b>	<b>X</b>	<b>X</b>	<b>X</b>																								
		<b>C1</b>	<b>1</b>										<b>7-19</b>	<b>2:36</b>	<b>X</b>	<b>X</b>	<b>X</b>																								
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Relinquished By: <b>Joe Casanova Jr</b>	Date: <b>7-19</b>	Received By: <b>Lawrence Stapp</b>	Date: <b>7-19</b>																																						
Relinquished By: <b>Joe Casanova Jr</b>	Date: <b>7-19</b>	Received By: <b>Lawrence Stapp</b>	Date: <b>7-19</b>																																						
Delivered By: (Circle One)	Observed Temp. °C	Corrected Temp. °C	Sample Condition	CHECKED BY: (Initials)	Turnaround Time:	Standard	Rush	Bacteria (only)	Sample Condition	Observed Temp. °C	Corrected Temp. °C																														
Sampler - UPS - Bus - Other:			Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	<b>VS</b>				<input checked="" type="checkbox"/>																																	
† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com																																									







# North West Elevation

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









# North West Elevation

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



28 Jun 2021, 16:19:34



# 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





# 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



28 Jun 2021, 16:21:35



# 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





# South West Elevation

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



24 Jun 2021, 10:30:31







# North Elevation

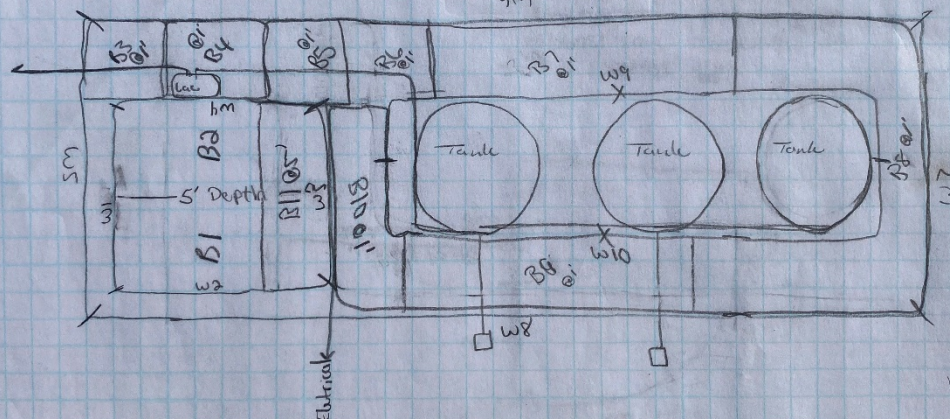
☀ 193°S (T) ● 32°36'36"N, 103°7'3"W ±13ft ▲ 3584ft





## 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 32.6106442 -103.1178783
W3 32.6101885 -103.1178280	W5 32.6102388 -103.1178153	B11 32.6101701 -103.1178297
W4 32.6102043 -103.1177965	W6 32.6100846 -103.1177475	
B1 32.6102054 -103.1178086	W7 32.61049064 -103.1178228	W9 32.6100236 -103.1177992
B2 32.6102167 -103.1178417	W8 32.6100354 -103.1179011	W10 32.6100213 -103.1178595
B3 32.6102148 -103.1177687	B7 32.6099306 -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