

Mr. Bradford Billings State of New Mexico Oil Conservation Division 1220 South St Francis Drive Santa Fe, NM 87505

### RE: 2RP-2071, 2RP-2132, 2RP-2509 Tony Federal Battery

Mr. Billings,

In compliance with 19.15.29.15(B) NMAC and the agreement submitted by Apache Corporation on November 8, 2018, Apache Corporation is submitting information related to closure for the release occurring July 26, 2012. Apache is respectfully submitting the closure report based on remediation and studies occurring in 2018 that demonstrate the site meeting the requirements of the agency. Unless further information is requested by NMOCD, Apache Corporation considers this release closed.

If there are any questions, please feel free to contact me by telephone at 432-631-6982 or by e-mail at larry.baker @apachecorp.com.

Sincerely,

Larry Baker Environmental Technician SR. Apache Corporation

Attachment: Closure Report Dated September 9, 2020



303 Veterans Airpark Lane Midland, TX 79705

# **Closure Report**

September 9, 2020

Re: Tony Federal Battery API# 30-015-30244 Case # 2RP-2071 2RP-2132 2RP-2509

## **Background:**

The Tony Federal Battery is located east of Loco Hills, New Mexico in unit letter K section 18 township 17S range 31E (GPS Coordinates: 32.8310056, -103.911913). The release is located in an area of no know ground water. On 10/09/2018 vertical delineation was conducted at SP 1 in one foot intervals to a depth of 8 feet utilizing a hand auger. All samples collected were submitted to a commercial laboratory for analysis of Cl-, TPH, and BTEX. On 10/11/2018 the vertical was advanced and samples were collected from 11 to 14 feet below ground surface. The sampling was stopped due to the hand auger had reached its maximum depth. All samples collected were submitted to a complete the two release areas were sectioned off in 200 square feet areas and 5 point composite samples were collected from the areas totaling 8 composite samples. All composite samples were submitted to a commercial laboratory for analysis of Cl-, TPH, and BTEX. On 10/15/2018 a hand auger was utilized to collect 1 foot composite samples at composite points 6 and 8.

A remediation plan was submitted an approved by OCD. In accordance with the plan SP 1 was excavated to a depth of 2 feet. CP 6 and CP 8 were excavated to a depth of 1 foot. On 11/19/2018 final wall samples were collected at CP 6 and CP 8. All wall samples were submitted to a commercial laboratory for analysis of Cl-, TPH, and BTEX. On 11/26/2018 final wall samples were collected at SP 1 and are referred to on lab analysis as SP7. All samples collected were submitted to a commercial laboratory for analysis of Cl-, TPH, and BTEX. Laboratory analysis for CP 8 west wall were above table one standards for TPH. The wall was further excavated and on 12/4/2018 a final wall sample was collected and submitted to a commercial laboratory for analysis of Cl-, TPH, and BTEX. All excavated soil was hauled to a commercial laboratory for analysis of Cl-, TPH, and BTEX. All excavated soil was hauled to an OCD approved disposal facility. The excavation was backfilled with caliche to ground surface and the entire facility was upgraded with the secondary containment lined.

Apache has completed remediation to below table one standards for releases greater than 100 feet to groundwater and respectfully request closure for events 2RP-2071, 2RP-2132, and 2RP-2509.

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

Submitted by;

Bruce Baker

*Environmental Technician larry.baker@apachecorp.com Cell# 432-631-6982 Off# 432-818-1000* 

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District ]	State	of New Mex	ico	NOV 15 20	113	Form C-141	
625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 11 S. First St., Artesia, NM 88210	Energy Miner	als and Natura	I Resources		,,,,	Revised August 8, 2011	
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Address 8 Ellison Lane Eunice, NM 882: Facility Name Tony Federal Battery	31	Facility Typ	to. 432-631-69	<u>82</u>	·····		
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Surface Owner BLM	Mineral Own				p. 30-015-	-30244	
		ION OF REI					
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Page 4 of 74

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# RECEIVED

DEC 2 0 2013

Form C-141 Revised August 8, 2011

NM Silbnil 12857 to appropriate District Office in accordance with 19.15.29 NMAC.

1220 South St. Francis Dr.

State of New Mexico

Energy Minerals and Natural Resources

**Oil Conservation Division** 

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

SEP 2 2 2014

Form C-141 Revised August 8, 2011

SubmiREGATIVEDopriate District Office in accordance with 19.15.29 NMAC.

NM OIL CONSERVATION ARTESIA DISTRICT

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

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E-mail Address: larry.baker@apachecorp.com					Ci emedia	onditions of A Ation per (	Approval: D.C.D. Rules			Attached		
	tate: 9/22/2014 Phone: (432) 631-6982 SUBMIT						TION PROP	<b>SAL</b>	NO I		00 AGNA	<b></b>

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Received by OCD: 9/9/2020 1:40:25 PM

Oil Conservation Division

	Page 7 of 74
Incident ID	
District RP	
Facility ID	
Application ID	

# Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	none (ft bgs)
Did this release impact groundwater or surface water?	🗌 Yes 📈 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🔽 No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🛛 No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	🗌 Yes 🗹 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	🗌 Yes 🛛 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🗹 No
Are the lateral extents of the release within 300 feet of a wetland?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes 🔽 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🛛 No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🔽 No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	🗌 Yes 🔽 No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

### Characterization Report Checklist: Each of the following items must be included in the report.

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. Field data
- $\overline{\nabla}$  Data table of soil contaminant concentration data
- $\checkmark$  Depth to water determination
- Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- ✓ Topographic/Aerial maps
- Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Page 3

eceived by OCD: 9/9/2020 1:4	0:25 PM State of New Mex	ico		Page 8 of		
age 4	Oil Conservation D		Incident ID			
	on conservation Div	151011	District RP			
			Facility ID			
			Application ID			
I hereby certify that the information regulations all operators are required public health or the environment. failed to adequately investigate are addition, OCD acceptance of a C- and/or regulations.	red to report and/or file certain rel- The acceptance of a C-141 report ad remediate contamination that po- 141 report does not relieve the op-	lease notifications and perform c t by the OCD does not relieve th ose a threat to groundwater, surf	orrective actions for rele e operator of liability sho ace water, human health	eases which may endanger ould their operations have or the environment. In		
Printed Name: Larry Bake	r	Title: Environm	ental Tech SR.			
Printed Name: Larry Bake Signature: Larry E	<sup>3</sup> aker	Date: <u>9/9/2020</u> Telephone: <u>432-631-6982</u>				
email:larry.baker@apachecorp.com		Telephone: 432-6	31-6982			
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Page 6

Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Page 9 of 74

# Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

<u>Closure Report Attachment Checklist</u>: Each of the following items must be included in the closure report.

A scaled site and sampling diagram as described in 19.15.29.11 NMAC

Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

 $\square$  Description of remediation activities

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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Larry Baker	Title: Environmental Tech SR.
Signature: Larry Baker	Date: 9/9/2020
email: <u>larry.baker@apachecorp.com</u>	Telephone: 432-631-6982
OCD Only	
Received by: OCD	Date: 9/20/2020
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible for regulations.
Closure Approved by: <u>Ashley Maywell</u>	Date:1/25/2023
Printed Name: Ashley Maxwell	Title: Environmental Specialist



GCS_WGS_1984		~
32,8310056	-103.911913	Show



					Tony Federal Ba	ittery				
SP 1	Depth	Lab CL	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	GRO	DRO	EXT DRO
	0-6"	352	<0.050	<0.050	<0.050	<0.150	<0.300	<50	3850	1030
	1'	3720	<0.050	<0.050	<0.050	0.195	<0.300	<50	3150	613
	2'	624	<0.050	<0.050	< 0.050	<0.150	<0.300	<10	48.4	12.2
	3'	1260	<0.050	<0.050	<0.050	<0.150	<0.300	<10	184	37.2
	4'	816	<0.050	<0.050	<0.050	<0.150	<0.300	<10	79.3	<10
	5'	816	<0.050	<0.050	<0.050	<0.150	<0.300	<10	147	32.2
	6'	1170	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<10
	7'	1140	<0.050	<0.050	<0.050	<0.150	<0.300	<10	22.8	<10
	8'	1150	<0.050	<0.050	<0.050	<0.150	<0.300	<10	1920	474
	11'	1180	<0.050	<0.050	<0.050	<0.150	<0.300	<10	386	120
	12'	896	<0.050	<0.050	<0.050	<0.150	<0.300	<10	269	68.3
	13'	864	<0.050	<0.050	<0.050	<0.150	<0.300	<10	366	95
	14'	736	<0.050	<0.050	<0.050	<0.150	<0.300	<10	90.4	14.7
	-				Composite Sam	ples				
CP 1	0-6"	672	<0.050	<0.050	<0.050	<0.150	<0.300	<10	83.4	22.1
CP 2	0-6"	160	<0.050	<0.050	<0.050	<0.150	<0.300	<10	850	195
CP 3	0-6"	176	<0.050	<0.050	<0.050	<0.150	<0.300	<10	233	76
CP 4	0-6"	128	<0.050	<0.050	<0.050	<0.150	< 0.300	<10	<10	<10
CP 5	0-6"	1460	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<10
CP 6	0-6"	1400	<0.050	<0.050	<0.050	<0.150	<0.300	<10	1400	315
	1'	2680	< 0.050	<0.050	0.126	<0.150	<0.300	<10	405	89
CP 7	0-6"	2320	< 0.050	<0.050	<0.050	<0.150	<0.300	<10	118	38.4
CP 8	0-6"	352	<0.050	<0.050	<0.050	<0.150	<0.300	<50	2000	411
	1'	304	< 0.050	<0.050	< 0.050	<0.150	< 0.300	<10.0	297	65.5

Tony Federal Battery

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				Fir	al Wall Samples					1
Date	SP 6 (CP 6)	Lab CL	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	GRO	DRO	EXT DRO
11/19/2019	N Wall	368	0.091	<0.182	<0.025	<0.075	0.273	<50	456	173
11/19/2019	S Wall	288	<0.025	<0.025	<0.025	<0.075	<0.150	<10	11.6	<10
11/19/2019	W Wall	1470	<0.025	<0.025	<0.025	<0.075	<0.150	<10	<10	<10
11/19/2019	E Wall	1760	<0.025	<0.025	<0.025	<0.075	<0.150	<10	<10	<10
-										
Date	SP 7 (SP 1)	Lab CL	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	GRO	DRO	EXT DRO
11/26/2019	S Wall	32	<0.050	<0.050	<0.050	<0.150	<0.300	<10	126	63.9
11/26/2019	N Wall	112	<0.050	<0.050	<0.050	<0.150	<0.300	<10	10.2	<10
11/26/2019	W Wall	16	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<10
11/26/2019	E Wall	272	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<10
Date	SP 8 (CP 8)	Lab CL	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	GRO	DRO	EXT DRO
11/19/2019	N Wall	480	<0.025	<0.025	<0.025	<0.075	<0.150	<10	39.9	11.8
11/19/2019	S Wall	1380	<0.025	<0.025	<0.025	<0.075	<0.150	<10	666	138
11/19/2019	W Wall	1480	<0.025	<0.025	<0.025	<0.075	<0.150	<50.0	3190	658
12/4/2019	W Wall	960	<0.050	<0.050	<0.050	<0.150	<0.300	<10	77.7	22
11/19/2019	E Wall	1170	<0.025	<0.025	<0.025	<0.075	<0.150	<10	991	272



October 10, 2018

BRUCE BAKER APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS, NM 88240

RE: TONY FEDERAL TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 10/09/18 16:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. 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 <a href="https://www.tceq.texas.qov/field/qa/lab\_accred\_certif.html">www.tceq.texas.qov/field/qa/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated 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,

Celeg D. Keine

Celey D. Keene Lab Director/Quality Manager





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

Received:	10/09/2018	Sampling Date:	10/09/2018
Reported:	10/10/2018	Sampling Type:	Soil
Project Name:	TONY FEDERAL TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

### Sample ID: SP 1 @ 6" (H802877-01)

Released to Imaging: 1/25/2023 10:23:25 AM

BTEX 80218	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	10/10/2018	ND	1.94	96.9	2.00	2.63	
Toluene*	<0.050	0.050	10/10/2018	ND	1.83	91.5	2.00	3.13	
Ethylbenzene*	<0.050	0.050	10/10/2018	ND	1.82	91.2	2.00	1.59	
Total Xylenes*	<0.150	0.150	10/10/2018	ND	5.49	91.5	6.00	1.96	
Total BTEX	<0.300	0.300	10/10/2018	ND					
Surrogate 4-Bromofluorobenzene (PIL	115 %	6 69.8-14	2						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	352	16.0	10/10/2018	ND	464	116	400	3.51	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Anatyzed	Method Blank	8S	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10*	<50.0	50.0	10/09/2018	ND	196	97.9	200	2.16	
DRO >C10-C28*	3850	50.0	10/09/2018	ND	216	108	200	7.67	
EXT DRO >C28-C36	1030	50.0	10/09/2018	ND					
Surrogate: 1-Chlorooctane	101 9	6 41-142	?						
Surrogate: 1-Chlorooctadecane	243 9	6 37.6-14	7						

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### \*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Page 15 of 74



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

Received:	10/09/2018	Sampling Date:	10/09/2018
Reported:	10/10/2018	Sampling Type:	Soil
Project Name:	TONY FEDERAL TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

### Sample ID: SP 1 @ 1' (H802877-02)

Released to Imaging: 1/25/2023 10:23:25 AM

BTEX 8021B	mg/	kg	Anaiyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2018	ND	1.94	96.9	2.00	2.63	
Toluene*	<0.050	0.050	10/10/2018	ND	1.83	91.5	2.00	3.13	
Ethylbenzene*	<0.050	0.050	10/10/2018	ND	1.82	91.2	2.00	1.59	
Totai Xylenes*	0.195	0.150	10/10/2018	ND	5.49	91.5	6.00	1.96	
Total BTEX	<0.300	0.300	10/10/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	101 9	69.8-14	2						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Anatyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3720	16.0	10/10/2018	ND	464	116	400	3.51	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10*	<50.0	50.0	10/09/2018	ND	196	97.9	200	2.16	
DRO >C10-C28*	3150	50.0	10/09/2018	ND	216	108	200	7.67	
EXT DRO >C28-C36	613	50.0	10/09/2018	ND					
Surrogate: 1-Chlorooctane	113	% 41-142	?						
Surrogate: 1-Chlorooctadecane	151	6 37.6-14	7						

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Page 16 of 74



APACHE CORP - HOBBS 8RUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-2432

Received:	10/09/2018	Sampling Date:	10/09/2018
Reported:	10/10/2018	Sampling Type:	Soil
Project Name:	TONY FEDERAL TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

### Sample ID: SP 1 @ 2' (H802877-03)

Released to Imaging: 1/25/2023 10:23:25 AM

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	10/09/2018	ND	1.94	96.9	2.00	2.63	
Toluene*	<0.050	0.050	10/09/2018	ND	1.83	91.5	2.00	3.13	
Ethylbenzene*	<0.050	0.050	10/09/2018	ND	1.82	91.2	2.00	1.59	
Total Xylenes*	<0.150	0.150	10/09/2018	ND	5.49	91.5	6.00	1.96	
Total BTEX	<0.300	0.300	10/09/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	95.5 9	69 8-14.	2						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	624	16.0	10/10/2018	ND	448	112	400	0.00	QM-07
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10*	<10.0	10.0	10/09/2018	ND	196	97.9	200	2.16	
DRO >C10-C28*	48.4	10.0	10/09/2018	ND	216	108	200	7.67	
EXT DRO >C28-C36	12.2	10.0	10/09/2018	ND					
Surrogate: 1-Chlorooctane	103 %	6 41-142							
Surrogate: 1-Chlorooctadecane	1049	37.6-14	7						

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Page 17

7 of 74



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

Received:	10/09/2018	Sampling Date:	10/09/2018
Reported:	10/10/2018	Sampling Type:	Soil
Project Name:	TONY FEDERAL TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

### Sample ID: SP 1 @ 3' (H802877-04)

Released to Imaging: 1/25/2023 10:23:25 AM

BTEX 8021B	mg/	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	10/09/2018	ND	1. <del>9</del> 4	96.9	2.00	2.63	
Toluene*	<0,050	0.050	10/09/2018	ND	1.83	91.5	2.00	3.13	
Ethylbenzene*	<0.050	0.050	10/09/2018	ND	1.82	91.2	2.00	1.59	
Total Xylenes*	<0.150	0.150	10/09/2018	ND	5.49	91.5	6.00	1.96	
Total BTEX	<0.300	0.300	10/09/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	97.2	% 69.8-14	2						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	85	% Recovery	True Value QC	RPD	Qualifie
Chloride	1260	16.0	10/10/2018	ND	448	112	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10*	<10.0	10.0	10/09/2018	ND	196	97.9	200	2.16	
DRO >C10-C28*	184	10.0	10/09/2018	ND	216	108	200	7.67	
EXT DRO >C28-C36	37.2	10.0	10/09/2018	ND					
Surrogate: 1-Chlorooctane	118 9	% 41-142	•						
Surrogate: 1-Chlorooctadecane	126 5	37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager

Page 18 of 74



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

Received:	10/09/2018	Sampling Date:	10/09/2018
Reported:	10/10/2018	Sampling Type:	Soil
Project Name:	TONY FEDERAL TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

### Sample ID: SP 1 @ 4' (H802877-05)

BTEX 8021B	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	8S	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	10/09/2018	ND	1.94	96.9	2.00	2.63	
Toluene*	<0.050	0.050	10/09/2018	ND	1.83	91.5	2.00	3.13	
Ethylbenzene*	<0.050	0.050	10/09/2018	ND	1.82	91.2	2.00	1.59	
Total Xylenes*	<0.150	0.150	10/09/2018	ND	5.49	91.5	6.00	1.96	
Total BTEX	<0.300	0.300	10/09/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIE	95.7	% 69.8-14	2						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	816	16.0	10/10/2018	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10*	< 10.0	10.0	10/09/2018	ND	196	97. <del>9</del>	200	2.16	
DRO >C10-C28*	79.3	10.0	10/09/2018	ND	216	108	200	7.67	
EXT DRO >C28-C36	< 10.0	10.0	10/09/2018	ND					
Surrogate: 1-Chlorooctane	100	% 41-142	?						
Surrogate: 1-Chlorooctadecane	103	% 37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager



Page 19 of 74



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

Received:	10/09/2018	Sampling Date:	10/09/2018
Reported:	10/10/2018	Sampling Type:	Soil
Project Name:	TONY FEDERAL TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

### Sample ID: SP 1 @ 5' (H802877-06)

Released to Imaging: 1/25/2023 10:23:25 AM

BTEX 80218	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	10/09/2018	ND	1.94	96.9	2.00	2.63	
Toluene*	<0.050	0.050	10/09/2018	ND	1.83	91.5	2.00	3.13	
Ethylbenzene*	<0.050	0.050	10/09/2018	ND	1.82	91.2	2.00	1.59	
Total Xylenes*	<0.150	0.150	10/09/2018	ND	5.49	91.5	6.00	1.96	
Total BTEX	<0.300	0.300	10/09/2018	ND					
Surrogate 4-Bromofluorobenzene (PIL	<b>98</b> .7	% 69.8-14	2						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	816	16.0	10/10/2018	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	<b>8</b> 5	% Recovery	True Value QC	RPD	Qualifie
GR0 C6-C10*	<10.0	10.0	10/09/2018	ND	196	97.9	200	2.16	
DRO >C10-C28*	147	10.0	10/09/2018	ND	216	108	200	7.67	
EXT DRO >C28-C36	32.2	10.0	10/09/2018	ND					
Surrogate: 1-Chlorooctane	96.3	% 41-142	?						
Surrogate: 1-Chlorooctadecane	102	% 37.6-14	7						

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Page 20 of 74



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

Received:	10/09/2018	Sampling Date:	10/09/2018
Reported:	10/10/2018	Sampling Type:	Soil
Project Name:	TONY FEDERAL TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

### Sample ID: SP 1 @ 6' (H802877-07)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2018	ND	1. <del>9</del> 4	96.9	2.00	2.63	
Toluene*	<0.050	0.050	10/09/2018	ND	1.83	91.5	2.00	3.13	
Ethylbenzene*	<0.050	0.050	10/09/2018	ND	1.82	91.2	2.00	1.59	
Total Xylenes*	<0.150	0.150	10/09/2018	ND	5.49	91.5	6.00	1.96	
Total BTEX	<0.300	0.300	10/09/2018	ND					
Surrogate 4-Bromofluorobenzene (PIC	94.7	69.8-14	2						
Chloride, SM4500CI-B mg/kg			Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	8S	% Recovery	True Value QC	RPD	Qualifie
Chloride	1170	16.0	10/10/2018	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10*	<10.0	10.0	10/09/2018	ND	196	97.9	200	2.16	
DRO >C10-C28*	<10.0	10.0	10/09/2018	ND	216	108	200	7.67	
EXT DRO >C28-C36	<10.0	10.0	10/09/2018	ND					
Surrogate: 1-Chlorooctane	97.5	% 41-142	?						
Surrogate: 1-Chlorooctadecane	94.5	37.6-14	7						

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\*=Accredited Analyte

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

Received:	10/09/2018	Sampling Date:	10/09/2018
Reported:	10/10/2018	Sampling Type:	Soil
Project Name:	TONY FEDERAL TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

### Sample ID: SP 1 @ 7' (H802877-08)

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BTEX 8021B	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2018	ND	1.94	96.9	2.00	2.63	
Toluene*	<0.050	0.050	10/09/2018	ND	1.83	91.5	2.00	3.13	
Ethylbenzene*	<0.050	0.050	10/09/2018	ND	1.82	91.2	2.00	1.59	
Total Xylenes*	<0.150	0.150	10/09/2018	ND	5.49	91.5	6.00	1.96	
Total BTEX	<0.300	0.300	10/09/2018	ND					

Surrogate: 4-Bromofluorobenzene (PIE 96.0%

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	oride 1140 16.0		10/10/2018	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/09/2018	ND	196	97.9	200	2.16	
DRO >C10-C28*	22.8	10.0	10/09/2018	ND	216	108	200	7.67	
EXT DRO >C28-C36	<10.0	10.0	10/09/2018	ND					
Surrogate: 1-Chloraoctane	97.4	% 41-142							
Surrogate: 1-Chlorooctadecane	95 5	% 37.6-14	7						

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### Analytical Results For:

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

Received:	10/09/2018	Sampling Date:	10/09/2018
Reported:	10/10/2018	Sampling Type:	Soil
Project Name:	TONY FEDERAL TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

### Sample ID: SP 1 @ 8' (H802877-09)

BTEX 8021B	mg/l	g	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2018	ND	1.94	96.9	2.00	2.63	
Toluene*	<0.050	0.050	10/10/2018	ND	1.83	91.5	2.00	3.13	
Ethylbenzene*	<0.050	0.050	10/10/2018	ND	1.82	91.2	2.00	1.59	
Total Xylenes*	<0.150	0.150	10/10/2018	ND	5.49	91.5	6.00	1.96	
Total BTEX	<0.300	0.300	10/10/2018	ND					
Surrogate 4-Bromofluorobenzene (PIL	107 %	69.8-14	2						
Chloride, SM4500CI-B	mg/l	g	Analyze	d By: AC					

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1150	16.0	10/10/2018	ND	448	112	400	0.00	
TPH 8015M	mg;	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	10/09/2018	ND	196	97.9	200	2.16	
DRO >C10-C28*	1920	50.0	10/09/2018	ND	216	108	200	7.67	
EXT DRO >C28-C36	474	50.0	10/09/2018	ND					
Surrogate: 1-Chlorooctane	95 3	% 41-142							
Surrogate: 1-Chlorooctadecane	1-18	% 37.6-14	7						

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

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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.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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 SM4500CI-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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101 East Marland, Hobbs, NM 88240

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### Page 25 of 74

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	(575) 393-2326 FAX (575) 393-243	76																							
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October 12, 2018

BRUCE BAKER APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS, NM 88240

**RE: TONY FEDERAL TANK BATTERY** 

Enclosed are the results of analyses for samples received by the laboratory on 10/11/18 13:33.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. 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 <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated 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,

Received by OCD: 9/9/2020 1:40:25 PM

Celeg D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	10/11/2018	Sampling Date:	10/11/2018
Reported:	10/12/2018	Sampling Type:	Soil
Project Name:	TONY FEDERAL TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

### Sample ID: SP 1 @ 11' (H802911-01)

BTEX 8021B	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2018	ND	2.14	107	2.00	0.672	
Toluene*	<0.050	0.050	10/11/2018	ND	2.03	102	2.00	0.830	
Ethylbenzene*	<0.050	0.050	10/11/2018	ND	2.01	101	2.00	0.688	
Total Xylenes*	<0.150	0.150	10/11/2018	ND	6.00	100	6.00	0.256	
Total BTEX	<0.300	0.300	10/11/2018	ND					

Surrogate: 4-Bromofluorobenzene (PIE 95.6 % 69.8-142

Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	<b>8</b> 5	% Recovery	True Value QC	RPD	Qualifier
Chloride	1180	16.0	10/12/2018	ND	400	100	400	0.00	
TPH 8015M	mg/	'kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/12/2018	ND	194	97.1	200	2.97	
DRO >C10-C28*	386	10.0	10/12/2018	ND	191	95.3	200	0.689	
EXT DRO >C28-C36	120	10.0	10/12/2018	ND					
Surrogate: 1-Chlorooctane	92.2	% 41-142	2						
Surrogate: 1-Chlorooctadecane	108	37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	10/11/2018	Sampling Date:	10/11/2018
Reported:	10/12/2018	Sampling Type:	Soil
Project Name:	TONY FEDERAL TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

### Sample ID: SP 1 @ 12' (H802911-02)

**BTEX 8021B** mg/kg Analyzed By: ms Result **Reporting Limit** Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Analyte < 0.050 0.050 10/11/2018 ND 2.14 107 2.00 0.672 Benzene\* <0.050 10/11/2018 2.03 102 2.00 0.830 Toluene\* 0.050 ND 2.01 101 2.00 0.688 <0.050 0.050 10/11/2018 ND Ethylbenzene\* 10/11/2018 ND 6.00 100 6.00 0.256 Total Xylenes\* <0.150 0.150 **Total BTEX** < 0.300 0.300 10/11/2018 ND

69.8-142 Surrogate: 4-Bromofluorobenzene (PIL 95.3%

Chloride, SM4500CI-8	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	896	16.0	10/12/2018	ND	400	100	400	0.00	
TPH 8015M	8015M mg/kg			Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	8S	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/12/2018	ND	194	97.1	200	2.97	
DRO >C10-C28*	269	10.0	10/12/2018	ND	191	95.3	200	0.689	
EXT DRO >C28-C36	68.3	10.0	10/12/2018	ND					
Surrogate: 1-Chlorooctane	92.2 9	% 41-142	?						
Surrogate: 1-Chlorooctadecane	103 9	37.6-14	7						

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

Received:	10/11/2018	Sampling Date:	10/11/2018
Reported:	10/12/2018	Sampling Type:	Soil
Project Name:	TONY FEDERAL TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

### Sample ID: SP 1 @ 13' (H802911-03)

**BTEX 8021B** mg/kg Analyzed By: ms Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Benzene\* <0.050 0.050 10/12/2018 ND 2.14 107 2.00 0.672 <0.050 0.050 10/12/2018 2.03 102 2.00 0.830 Toluene\* ND 10/12/2018 ND 2.01 101 2.00 0.688 Ethylbenzene\* <0.050 0.050 Total Xylenes\* <0.150 0.150 10/12/2018 ND 6.00 100 6.00 0.256 Total BTEX 10/12/2018 <0.300 0.300 ND

Surrogate: 4-Bromofluorobenzene (PIE 96.7 % 69.8-142

Chloride, SM4500CI-B	mg/l	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	85	% Recovery	True Value QC	RPD	Qualifier
Chloride	864	16.0	10/12/2018	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
SRO C6-C10*	<10.0	10.0	10/12/2018	ND	194	97.1	200	2.97	
DRO >C10-C28*	366	10.0	10/12/2018	ND	191	95.3	200	0.689	
EXT DRO >C28-C36	95.0	10.0	10/12/2018	ND					
Surrogate: 1-Chlorooctane	92.6 9	6 41-142	,						
Surrogate: 1-Chlorooctadecane	109 9	6 37.6-14	7						

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PLEASE NOTE: Labeling and Damages. Cardinal's labeling and chemit's endusive remedy for any claim ansing, whether based in contract or tort, shall be limited to the amount paid by cleim for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waved unless make in writing and received by claims without writing and received by claims and received by claims, including those for negligence and any other cause whatsoever shall be deemed waved unless make in writing and received by claims, activational writing and received by claims analyses, and and received by claims a

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Celey D. Keene, Lab Director/Quality Manager

Page 4 of 7



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

Received:	10/11/2018	Sampling Date:	10/11/2018
Reported:	10/12/2018	Sampling Type:	Soil
Project Name:	TONY FEDERAL TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

### Sample ID: SP 1 @ 14' (H802911-04)

**BTEX 8021B** mg/kg Analyzed By: ms Analyte Result **Reporting Limit** Analyzed Method Blank 8S % Recovery True Value QC RPD Qualifier Benzene\* < 0.050 0.050 10/12/2018 ND 2.14 107 2.00 0.672 0.830 Toluene\* <0.050 0.050 10/12/2018 ND 2.03 102 2.00 2.01 101 < 0.050 0.050 10/12/2018 ND 2.00 0.688 Ethylbenzene\* 10/12/2018 ND 6.00 100 6.00 0.256 Total Xylenes\* < 0.150 0.150 **Total BTEX** <0.300 0.300 10/12/2018 ND

Surrogate 4-Bromofluorobenzene (PIE 95.4 % 69.8-142

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qual fier
Chloride	736	16.0	10/12/2018	ND	400	100	400	0.00	
TPH 8015M	1 mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	< 10.0	10.0	10/12/2018	ND	190	95.0	200	0.209	
DRO >C10-C28*	90.4	10.0	10/12/2018	ND	195	97.7	200	1.78	
EXT DRO >C28-C36	14.7	10.0	10/12/2018	ND					
Surrogate: 1-Chlorooctane	91.5	% 41-142	2						
Surrogate: 1-Chlorooctadecane	90.1	% 37_6-14	7						

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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.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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.
22	Chloride by SM4500CI-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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### \*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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October 12, 2018

BRUCE BAKER APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS, NM 88240

RE: TONY FEDERAL TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 10/11/18 13:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. 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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated 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,

Received by OCD: 9/9/2020 1:40:25 PM

Celez L. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	10/11/2018	Sampling Date:	10/11/2018
Reported:	10/12/2018	Sampling Type:	Soil
Project Name:	TONY FEDERAL TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

### Sample ID: CP 1 @ 6" (H802910-01)

**BTEX 8021B** mg/kg Analyzed By: ms Analyte Result **Reporting Limit** Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Benzene\* <0.050 0.050 10/11/2018 ND 2.14 107 2.00 0.672 <0.050 10/11/2018 102 0.830 Toluene\* 0.050 ND 2.03 2.00 2.01 101 0.688 Ethylbenzene\* < 0.050 0.050 10/11/2018 ND 2.00 Total Xylenes\* <0.150 0.150 10/11/2018 ND 6.00 100 6.00 0.256 **Total BTEX** 10/11/2018 < 0.300 0.300 ND

Surrogate: 4-Bromofluorobenzene (PIE 95.8 % 69.8-142

Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
	Result	Reporting Limit	Analyzed	Method Blank	BS	BS % Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	10/12/2018	ND	416	104	400	3.92	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2018	ND	194	97.1	200	2.97	
DRO >C10-C28*	83.4	10.0	10/11/2018	ND	191	95.3	200	0.689	
EXT DRO >C28-C36	22.1	10.0	10/11/2018	ND					
Surrogate: 1-Chloroociane	91.5 %	6 41-142	,						
Surrogate: 1-Chlorooctadecane	96.4 %	6 37 6-14	7						

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

Received:	10/11/2018	Sampling Date:	10/11/2018
Reported:	10/12/2018	Sampling Type:	Soil
Project Name:	TONY FEDERAL TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

### Sample ID: CP 2 @ 6" (H802910-02)

BTEX 8021B	mg/	/kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	<b>8</b> S	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2018	ND	2.14	107	2.00	0.672	
Toluene*	<0.050	0.050	10/11/2018	ND	2.03	102	2.00	0.830	
Ethylbenzene*	<0.050	0.050	10/11/2018	ND	2,01	101	2.00	0.688	
Total Xylenes*	<0.150	0.150	10/11/2018	ND	6.00	100	6.00	0.256	
Total 8TEX	<0.300	0.300	10/11/2018	ND					

Surrogate: 4-Bromofluorobenzene (PIE 96.6 % 69.8-142

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	10/12/2018	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qua fier
GRO C6-C10*	<10.0	10.0	10/11/2018	ND	194	97.1	200	2.97	
DRO >C10-C28*	850	10.0	10/11/2018	ND	191	95.3	200	0.689	
EXT DRO >C28-C36	195	10.0	10/11/2018	ND					
Surrogate: 1-Chlorooctane	86.8 9	% 41-142	)						
Surrogate: 1-Chlorooctadecane	125 9	37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager

\*=Accredited Analyte

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

Received:	10/11/2018	Sampling Date:	10/11/2018
Reported:	10/12/2018	Sampling Type:	Soil
Project Name:	TONY FEDERAL TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

### Sample ID: CP 3 @ 6" (H802910-03)

**BTEX 8021B** mg/kg Analyzed By: ms Result **Reporting Limit** Analyzed Method Blank BS % Recovery True Value QC rpd Qualifier Analyte <0.050 0.050 10/11/2018 ND 2.14 107 2.00 0.672 Benzene\* 0.830 Toluene\* <0.050 0.050 10/11/2018 ND 2.03 102 2.00 101 < 0.050 0.050 10/11/2018 ND 2.01 2.00 0.688 Ethylbenzene\* ND 6.00 100 6.00 0.256 Total Xylenes\* <0.150 0.150 10/11/2018 **Total BTEX** < 0.300 0.300 10/11/2018 ND

Surrogate: 4-Bromofluorobenzene (PIE 95.4 % 69.8-142

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	10/12/2018	ND	416	104	400	3.92	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/12/2018	ND	194	97.1	200	2.97	
DRO >C10-C28*	233	10.0	10/12/2018	ND	191	95.3	200	0.689	
EXT DRO >C28-C36	76.0	10.0	10/12/2018	ND					
Surrogate 1-Chloroociane	89.9	% 41-142	)						
Surrogate: I-Chlorooctadecane	102 9	% 37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager


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Received:	10/11/2018	Sampling Date:	10/11/2018
Reported:	10/12/2018	Sampling Type:	Soil
Project Name:	TONY FEDERAL TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

## Sample ID: CP 4 @ 6" (H802910-04)

BTEX 8021B	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2018	ND	2.14	107	2.00	0.672	
Toluene*	<0.050	0.050	10/11/2018	ND	2.03	102	2.00	0.830	
Ethylbenzene*	<0.050	0.050	10/11/2018	ND	2.01	101	2.00	0.688	
Total Xylenes*	<0.150	0.150	10/11/2018	ND	6.00	100	6.00	0.256	
Total BTEX	<0.300	0.300	10/11/2018	ND					

Surrogate: 4-Bromofluorobenzene (PIL 96.0 % 69.8-142

Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	10/12/2018	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/12/2018	ND	194	97.1	200	2. <del>9</del> 7	
DRO >C10-C28*	<10.0	10.0	10/12/2018	ND	191	95.3	200	0.689	
EXT DRO >C28-C36	<10.0	10.0	10/12/2018	ND					
Surrogate: 1-Chlorooctane	88.9	% +1-1+2	•						
Surrogate: 1-Chlorooctadecane	90.7	37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager

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

Received:	10/11/2018	Sampling Date:	10/11/2018
Reported:	10/12/2018	Sampling Type:	Soil
Project Name:	TONY FEDERAL TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

## Sample ID: CP 5 @ 6" (H802910-05)

BTEX 8021B	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	8S	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2018	ND	2.14	107	2.00	0.672	
Toluene*	<0.050	0.050	10/11/2018	ND	2.03	102	2.00	0.830	
Ethylbenzene*	<0.050	0.050	10/11/2018	ND	2.01	101	2.00	0.688	
Total Xylenes*	<0.150	0.150	10/11/2018	ND	6.00	100	6.00	0.256	
Total BTEX	<0.300	0.300	10/11/2018	ND					

Surrogate 4-Bromofluorobenzene (PIE 95.3 % 69.8-142

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1460	16.0	10/12/2018	ND	416	104	400	3.92	
TPH 8015M	mg.	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/12/2018	ND	194	97.1	200	2.97	
DRO >C10-C28*	<10.0	10.0	10/12/2018	ND	191	95.3	200	0.689	
EXT DRO >C28-C36	<10.0	10.0	10/12/2018	ND					
Surrogate: 1-Chlorooctane	85.1	% 41-142	?						
Surrogate: 1-Chlorooctadecane	86.0	% 37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager

\*=Accredited Analyte



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

Received:	10/11/2018	Sampling Date:	10/11/2018
Reported:	10/12/2018	Sampling Type:	Soil
Project Name:	TONY FEDERAL TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

## Sample ID: CP 6 @ 6" (H802910-06)

BTEX 8021B	mg/	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2018	ND	2.14	107	2.00	0.672	
Toluene*	<0.050	0.050	10/11/2018	ND	2.03	102	2.00	0.830	
Ethylbenzene*	<0.050	0.050	10/11/2018	ND	2.01	101	2.00	0.688	
Total Xylenes*	<0.150	0.150	10/11/2018	ND	6.00	100	6.00	0.256	
Total BTEX	<0.300	0.300	10/11/2018	ND					

Surrogate: 4-Bromofluorobenzene (PIE 96.5 % 69.8-142

Chloride, SM4500CI-B	mg/l	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1400	16.0	10/12/2018	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	10/12/2018	ND	1 <del>9</del> 4	97.1	200	2.97	
DRO >C10-C28*	1400	50.0	10/12/2018	ND	191	95.3	200	0.689	
EXT DRO >C28-C36	315	50.0	10/12/2018	ND					
Surrogate: 1-Chlorooctane	87.3 9	6 41-142	2						
Surrogate: 1-Chlorooctadecane	133 9	6 37.6-14	7						

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## \*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	10/11/2018	Sampling Date:	10/11/2018
Reported:	10/12/2018	Sampling Type:	Soil
Project Name:	TONY FEDERAL TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

## Sample ID: CP 7 @ 6" (H802910-07)

BTEX 8021B	mg/	'kg	Analyze	Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2018	ND	2.14	107	2.00	0.672	
Toluene*	<0.050	0.050	10/11/2018	ND	2.03	102	2.00	0.830	
Ethylbenzene*	<0.050	0.050	10/11/2018	ND	2.01	101	2.00	0.688	
Total Xylenes*	<0.150	0.150	10/11/2018	ND	6.00	100	6.00	0.256	
Total BTEX	<0.300	0.300	10/11/2018	ND					

Surrogate 4-Bromofluorobenzene (PIL 95.4% 69.8-142

Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2320	16.0	10/12/2018	ND	416	104	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/12/2018	ND	194	97.1	200	2.97	
DRO >C10-C28*	118	10.0	10/12/2018	ND	191	95.3	200	0.689	
EXT DRO >C28-C36	38.4	10.0	10/12/2018	ND					
Surrogate: 1-Chlorooctane	91.1	% 41-142	,						
Surrogate: 1-Chlorooctadecane	98.2	% 37-6-14	7						

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Celey D. Keene, Lab Director/Quality Manager

Page 8 of 11

\*=Accredited Analyte



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

Received:	10/11/2018	Sampling Date:	10/11/2018
Reported:	10/12/2018	Sampling Type:	Soil
Project Name:	TONY FEDERAL TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

## Sample ID: CP 8 @ 6" (H802910-08)

BTEX 8021B	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2018	ND	2.14	107	2.00	0.672	
Toluene*	<0.050	0.050	10/11/2018	ND	2.03	102	2.00	0.830	
Ethylbenzene*	<0.050	0.050	10/11/2018	ND	2.01	101	2.00	0.688	
Total Xylenes*	<0.150	0.150	10/11/2018	ND	6.00	100	6.00	0.256	
Total BTEX	<0.300	0.300	10/11/2018	ND					

Surrogate: 4-Bromofluorobenzene (PIE 94.2 % 69.8-142

Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	10/12/2018	ND	416	104	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*	<50.0	50.0	10/12/2018	ND	194	97.1	200	2.97	
DRO >C10-C28*	2000	50.0	10/12/2018	ND	191	95.3	200	0.689	
EXT DRO >C28-C36	411	50.0	10/12/2018	ND					
Surrogate: 1-Chlorooctane	91.1	% 41-142	,						
Surrogate: 1-Chlorooctadecane	169 9	37.6-14	7						

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PLEASE NOTE: Liability and Damages. Candinal's babliny and chent's exclusive remedy for any claim ansing, whether based in contract or tort, shall be limited to the amount paid by clent for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in wrong and received by Cardinal within thiny (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by clent, its subsidianes, affiliates or successions among out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laborationes.

Colorge trees and

Celey D. Keene, Lab Director/Quality Manager

\*=Accredited Analyte



## **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.							
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD <sub>1</sub> . The batch was accepted based on acceptable LCS recovery.							
ND	lyte 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 SM4500CI-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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#### \*=Accredited Analyte

Released to Imaging: 1/25/2023 10:23:25 AM

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Celey D. Keene, Lab Director/Quality Manager

Page 11 of 11



101 East Marland, Hobbs, NM 88240

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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October 16, 2018

BRUCE BAKER APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS, NM 88240

**RE: TONY FEDERAL TANK BATTERY** 

Enclosed are the results of analyses for samples received by the laboratory on 10/15/18 16:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. 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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accredited certif.html.

Cardinal Laboratories is accreditated 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,

Received by OCD: 9/9/2020 1:40:25 PM

Celeg Li Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	10/15/2018	Sampling Date:	10/15/2018
Reported:	10/16/2018	Sampling Type:	Soil
Project Name:	TONY FEDERAL TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

## Sample ID: COM POINT 6 @ 1' (H802956-01)

**BTEX 8021B** mg/kg Analyzed By: ms Analyte Result **Reporting Limit** Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Benzene\* < 0.050 0.050 10/16/2018 ND 2.27 114 2.00 0.142 Toluene\* < 0.050 0.050 10/16/2018 ND 107 2.00 0.735 2.14 Ethylbenzene\* 0.126 0.050 10/16/2018 ND 2.11 106 2.00 0.142 Total Xylenes\* <0.150 0.150 10/16/2018 ND 6.33 106 6.00 0.151 Total BTEX < 0.300 0.300 10/16/2018 ND

Surrogate: 4-Bromofluorobenzene (PIE 109 % 69.8-142

Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2680	16.0	10/16/2018	ND	432	108	400	3.64	
TPH 8015M	mg/	mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2018	ND	200	100	200	3.41	
DRO >C10-C28*	405	10.0	10/16/2018	ND	192	96.0	200	1.32	
EXT DRO >C28-C36	89.0	10.0	10/16/2018	ND					
Surrogate: 1-Chlorooctane	89.2	% 41-142	?						
Surrogate 1-Chlorooctadecane	103 9	37.6-14	7						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Colleg 2. trees -

Celey D. Keene, Lab Director/Quality Manager



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

Received:	10/15/2018	Sampling Date:	10/15/2018
Reported:	10/16/2018	Sampling Type:	Soil
Project Name:	TONY FEDERAL TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

# Sample ID: COM POINT 8 @ 1' (H802956-02)

BTEX 8021B	mg/	kg	Analyze	a By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/16/2018	ND	2.27	114	2.00	0.142	
Toluene*	<0.050	0.050	10/16/2018	ND	2.14	107	2.00	0.735	
Ethylbenzene*	<0.050	0.050	10/16/2018	ND	2.11	106	2.00	0.142	
Total Xylenes*	<0.150	0.150	10/16/2018	ND	6.33	106	6.00	0.151	
Total BTEX	<0.300	0.300	10/16/2018	ND					

Surrogate 4-Bromofluorobenzene (PIL 98.9% 69.8-142

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	10/16/2018	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2018	ND	200	100	200	3.41	
DR0 >C10-C28*	297	10.0	10/16/2018	ND	192	96.0	200	1.32	
EXT DRO >C28-C36	65.5	10.0	10/16/2018	ND					
Surrogate: 1-Chlorooctane	92.6	% 41-142	I						
Surrogate: 1-Chlorooctadecane	104	% 37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager

\*=Accredited Analyte



## **Notes and Definitions**

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
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.
2	Chloride by SM4500CI-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

## Cardinal Laboratories

#### \*=Accredited Analyte

Released to Imaging: 1/25/2023 10:23:25 AM

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Celey D. Keene, Lab Director/Quality Manager



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

## 101 East Marland, Hobbs, NM 88240

	(575) 393-2326 FAX (575) 393-247	6																								
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analyses. All claims including those for nogligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicat service. In no event shall Cardinal be table for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits including the subsidiaries.

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November 29, 2018

BRUCE BAKER APACHE CORP - HOBBS 2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: TONY FEDERAL TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 11/20/18 16:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. 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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated 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,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	11/20/2018	Sampling Date:	11/19/2018
Reported:	11/29/2018	Sampling Type:	Soil
Project Name:	TONY FEDERAL TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

## Sample ID: SP6 N WALL 1' (H803405-01)

BTEX 8260B	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.091	0.025	11/28/2018	ND	2.12	106	2.00	0.901	
Toluene*	0.182	0.025	11/28/2018	ND	2.31	116	2.00	2.16	
Ethylbenzene*	<0.025	0.025	11/28/2018	ND	2.19	110	2.00	1.36	
Total Xylenes*	<0.075	0.075	11/28/2018	ND	7.42	124	6.00	2.17	
Total BTEX	0.273	0.150	11/28/2018	ND					
Surrogate: Dibromofluoromethane	105	% 90.4-11	1						
Surrogate: Toluene-d8	105	% 85.3-11	4						
Surrogate: 4-Bromofluorobenzene	87.8	% 80.1-12	1						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	11/28/2018	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	11/27/2018	ND	200	100	200	13.2	
DRO >C10-C28*	456	50.0	11/27/2018	ND	221	111	200	10.5	
EXT DRO >C28-C36	173	50.0	11/27/2018	ND					
Surrogate: 1-Chlorooctane	79.1	% 41-142	2						
Surrogate: 1-Chlorooctadecane	111 9	% 37.6-14	-						

### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/20/2018	Sampling Date:	11/19/2018
Reported:	11/29/2018	Sampling Type:	Soil
Project Name:	TONY FEDERAL TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

## Sample ID: SP6 S WALL 1' (H803405-02)

BTEX 8260B	mg	/kg	Analyze	d By: ms					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	11/28/2018	ND	2.12	106	2.00	0.901	
Toluene*	<0.025	0.025	11/28/2018	ND	2.31	116	2.00	2.16	
Ethylbenzene*	<0.025	0.025	11/28/2018	ND	2.19	110	2.00	1.36	
Total Xylenes*	<0.075	0.075	11/28/2018	ND	7.42	124	6.00	2.17	
Total BTEX	<0.150	0.150	11/28/2018	ND					
Surrogate: Dibromofluoromethane	106	% 90.4-11	1						
Surrogate: Toluene-d8	97.1	% 85.3-11	4						
Surrogate: 4-Bromofluorobenzene	79.6	% 80.1-12	1						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3160	16.0	11/28/2018	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/27/2018	ND	200	100	200	13.2	
DRO >C10-C28*	11.6	10.0	11/27/2018	ND	221	111	200	10.5	
EXT DRO >C28-C36	<10.0	10.0	11/27/2018	ND					
Surrogate: 1-Chlorooctane	81.7	% 41-142	,						
Surrogate: 1-Chlorooctadecane	88.7	% 37.6-14	7						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/20/2018	Sampling Date:	11/19/2018
Reported:	11/29/2018	Sampling Type:	Soil
Project Name:	TONY FEDERAL TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

## Sample ID: SP6 W WALL 1' (H803405-03)

BTEX 8260B	mg,	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	11/28/2018	ND	2.12	106	2.00	0.901	
Toluene*	<0.025	0.025	11/28/2018	ND	2.31	116	2.00	2.16	
Ethylbenzene*	<0.025	0.025	11/28/2018	ND	2.19	110	2.00	1.36	
Total Xylenes*	<0.075	0.075	11/28/2018	ND	7.42	124	6.00	2.17	
Total BTEX	<0.150	0.150	11/28/2018	ND					
Surrogate: Dibromofluoromethane	104	% 90.4-11	1						
Surrogate: Toluene-d8	103	85.3-11	4						
Surrogate: 4-Bromofluorobenzene	85.6	% 80.1-12	1						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1470	16.0	11/28/2018	ND	400	100	400	0.00	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/27/2018	ND	200	100	200	13.2	
DRO >C10-C28*	<10.0	10.0	11/27/2018	ND	221	111	200	10.5	
EXT DRO >C28-C36	<10.0	10.0	11/27/2018	ND					
Surrogate: 1-Chlorooctane	89.1	% 41-142	?						
Surrogate: 1-Chlorooctadecane	96.5	% 37.6-14	7						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/20/2018	Sampling Date:	11/19/2018
Reported:	11/29/2018	Sampling Type:	Soil
Project Name:	TONY FEDERAL TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

## Sample ID: SP6 E WALL 1' (H803405-04)

BTEX 8260B	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	11/28/2018	ND	2.12	106	2.00	0.901	
Toluene*	<0.025	0.025	11/28/2018	ND	2.31	116	2.00	2.16	
Ethylbenzene*	<0.025	0.025	11/28/2018	ND	2.19	110	2.00	1.36	
Total Xylenes*	<0.075	0.075	11/28/2018	ND	7.42	124	6.00	2.17	
Total BTEX	<0.150	0.150	11/28/2018	ND					
Surrogate: Dibromofluoromethane	106	% 90.4-11	1						
Surrogate: Toluene-d8	99.6	% 85.3-11	4						
Surrogate: 4-Bromofluorobenzene	82.5	% 80.1-12	1						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1760	16.0	11/28/2018	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/27/2018	ND	200	100	200	13.2	
DRO >C10-C28*	<10.0	10.0	11/27/2018	ND	221	111	200	10.5	
EXT DRO >C28-C36	<10.0	10.0	11/27/2018	ND					
Surrogate: 1-Chlorooctane	90.8	% 41-142	,						
Surrogate: 1-Chlorooctadecane	98.7	% 37.6-14	7						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/20/2018	Sampling Date:	11/19/2018
Reported:	11/29/2018	Sampling Type:	Soil
Project Name:	TONY FEDERAL TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

## Sample ID: SP8 N WALL 1' (H803405-05)

BTEX 8260B	mg/	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	11/28/2018	ND	2.12	106	2.00	0.901	
Toluene*	<0.025	0.025	11/28/2018	ND	2.31	116	2.00	2.16	
Ethylbenzene*	<0.025	0.025	11/28/2018	ND	2.19	110	2.00	1.36	
Total Xylenes*	<0.075	0.075	11/28/2018	ND	7.42	124	6.00	2.17	
Total BTEX	<0.150	0.150	11/28/2018	ND					
Surrogate: Dibromofluoromethane	108 9	% 90.4-11	1						
Surrogate: Toluene-d8	99.7	% 85.3-11	4						
Surrogate: 4-Bromofluorobenzene	81.1	% 80.1-12	1						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	11/28/2018	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/27/2018	ND	200	100	200	13.2	
DRO >C10-C28*	39.9	10.0	11/27/2018	ND	221	111	200	10.5	
EXT DRO >C28-C36	11.8	10.0	11/27/2018	ND					
Surrogate: 1-Chlorooctane	87.7	% 41-142	2						
Surrogate: 1-Chlorooctadecane	95.4	% 37.6-14	7						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/20/2018	Sampling Date:	11/19/2018
Reported:	11/29/2018	Sampling Type:	Soil
Project Name:	TONY FEDERAL TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

## Sample ID: SP8 S WALL 1' (H803405-06)

BTEX 8260B	mg,	′kg	Analyze	d By: ms					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	11/28/2018	ND	2.12	106	2.00	0.901	
Toluene*	<0.025	0.025	11/28/2018	ND	2.31	116	2.00	2.16	
Ethylbenzene*	<0.025	0.025	11/28/2018	ND	2.19	110	2.00	1.36	
Total Xylenes*	<0.075	0.075	11/28/2018	ND	7.42	124	6.00	2.17	
Total BTEX	<0.150	0.150	11/28/2018	ND					
Surrogate: Dibromofluoromethane	109	% 90.4-11	1						
Surrogate: Toluene-d8	96.9	% 85.3-11	4						
Surrogate: 4-Bromofluorobenzene	131	80.1-12	1						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1310	16.0	11/28/2018	ND	400	100	400	0.00	
TPH 8015M	mg	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/27/2018	ND	200	100	200	13.2	
DRO >C10-C28*	666	10.0	11/27/2018	ND	221	111	200	10.5	
EXT DRO >C28-C36	138	10.0	11/27/2018	ND					
Surrogate: 1-Chlorooctane	89.9	% 41-142	,						
Surrogate: 1-Chlorooctadecane	126	% 37.6-14	7						

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/20/2018	Sampling Date:	11/19/2018
Reported:	11/29/2018	Sampling Type:	Soil
Project Name:	TONY FEDERAL TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

## Sample ID: SP8 W WALL 1' (H803405-07)

BTEX 8260B	mg,	/kg	Analyze	d By: ms					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	11/28/2018	ND	2.12	106	2.00	0.901	
Toluene*	<0.025	0.025	11/28/2018	ND	2.31	116	2.00	2.16	
Ethylbenzene*	<0.025	0.025	11/28/2018	ND	2.19	110	2.00	1.36	
Total Xylenes*	<0.075	0.075	11/28/2018	ND	7.42	124	6.00	2.17	
Total BTEX	<0.150	0.150	11/28/2018	ND					
Surrogate: Dibromofluoromethane	107	% 90.4-11	1						
Surrogate: Toluene-d8	82.8	% 85.3-11	4						
Surrogate: 4-Bromofluorobenzene	155	% 80.1-12	1						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1490	16.0	11/28/2018	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	11/27/2018	ND	200	100	200	13.2	
DRO >C10-C28*	3190	50.0	11/27/2018	ND	221	111	200	10.5	
EXT DRO >C28-C36	658	50.0	11/27/2018	ND					
Surrogate: 1-Chlorooctane	85.4	% 41-142	,						
Surrogate: 1-Chlorooctadecane	139	% 37.6-14	7						

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/20/2018	Sampling Date:	11/19/2018
Reported:	11/29/2018	Sampling Type:	Soil
Project Name:	TONY FEDERAL TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

## Sample ID: SP8 E WALL 1' (H803405-08)

BTEX 8260B	mg	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	11/28/2018	ND	2.12	106	2.00	0.901	
Toluene*	<0.025	0.025	11/28/2018	ND	2.31	116	2.00	2.16	
Ethylbenzene*	<0.025	0.025	11/28/2018	ND	2.19	110	2.00	1.36	
Total Xylenes*	<0.075	0.075	11/28/2018	ND	7.42	124	6.00	2.17	
Total BTEX	<0.150	0.150	11/28/2018	ND					
Surrogate: Dibromofluoromethane	101	% 90.4-11	1						
Surrogate: Toluene-d8	101 9	85.3-11	4						
Surrogate: 4-Bromofluorobenzene	120	80.1-12	1						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1170	16.0	11/28/2018	ND	400	100	400	0.00	
TPH 8015M	mg,	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/27/2018	ND	200	100	200	13.2	
DRO >C10-C28*	991	10.0	11/27/2018	ND	221	111	200	10.5	
EXT DRO >C28-C36	272	10.0	11/27/2018	ND					
Surrogate: 1-Chlorooctane	88.4	% 41-142	2						
Surrogate: 1-Chlorooctadecane	132	37.6-14	7						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## **Notes and Definitions**

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS1	Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.
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

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Received by OCD: 9/9/2020 1:40:25 PM

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	101 East Marland, Hobbs, NM 88 (57,5) 393-2326 FAX (575) 393-247																								
Company Name		-								8	LL TO							ANA	YSI	S RE	QUE	ST			
Project Manager							P	.0. #																	
Address:							с	omp	any	:								3							
City: Holio	State: NN	Zip:	S	321	40		A	ttn:							-										
Phone #:	Fax #:						A	ddre	ess:																
Project #:	Project Owne	r:					с	ity:																	
Project Name:		~					s	tate:	31		Zip:														
Project Location	: Tonge teel trule	Ext	4c	ND	5		Р	hon	e #:																
Sampler Name:	j			1			F	ax #	:				1												
FOR LAB USE ONLY					MAT	RIX	- 1	PR	ESE	RV.	SAMPL	ING	-												
Lab I.D. H803405	Sample I.D.	(G)RAB)OR (C)OMP	# CONTAINERS	GROUNDWATER	SOIL	OIL	SLUDGE	ACID/BASE:	ICEDCOOL	OTHER:	DATE	TIME	U. L.		EXT IPH	Brex									
	SPG Quay 1'		;		/			_	1		11.19	2º 10pm	$\downarrow$	$\langle \rangle$		$\mathbf{i}$									
2	SPG Swall 1'		1		1				/		11.19	2:15pm	1						-				-		
3	SPle wwall 1!		1	_	1		_	_	1		11.19	2:20pr				$\rightarrow$									
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9	SP& S WAR I		)	-	~		-		2		11.10	234121	1	-	$\langle \cdot \rangle$	$\leq$									
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analyses All claims includ	Damages. Cardinal's liability and client's exclusive remedy fo ing those for negligence and any other cause whatsoever shall b	e deemed	waive	d unless	s made in	writing	and re	eceived	by Ca	rdinal v	within 30 days at	ter completion of	the app	licable											
service In no event shall (	Cardinal be liable for incidental or consequental damages, includi ing out of or related to the performance of services hereunder by	ng withou	t limita	tion, bus	siness int	erruptio	ons, los	s of use	e, or lo	ss of p	profits incurred by	client, its subsid	liaries,												
Relinquished B	y: Date: Date:	S Re	ceit	ved B	ti		R	1			ON	Fax Resu REMARK	esult: ult: (S:		Yes		No No		Phone Fax #:						
	Time:					_							A.	X	• • •				5						
Delivered By	: (Circle One)	2-1		C	ample	Intac	:t/	n	CH		KED BY: tials)														
Sampler - UPS	- Bus - Other: 4.12c/ # 0	11			Yes		Yes		6	F	4														



December 03, 2018

BRUCE BAKER APACHE CORP - HOBBS 2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: TONY FEDERAL TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 11/26/18 16:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. 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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated 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,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	11/26/2018	Sampling Date:	11/26/2018
Reported:	12/03/2018	Sampling Type:	Soil
Project Name:	TONY FEDERAL TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

## Sample ID: S WALL SP7 @ 2' (H803449-01)

BTEX 8021B	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2018	ND	1.84	92.0	2.00	1.42	
Toluene*	<0.050	0.050	11/30/2018	ND	1.81	90.6	2.00	0.406	
Ethylbenzene*	<0.050	0.050	11/30/2018	ND	1.74	87.1	2.00	0.831	
Total Xylenes*	<0.150	0.150	11/30/2018	ND	5.56	92.6	6.00	1.59	
Total BTEX	<0.300	0.300	11/30/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 73.3-12	9						
Chloride, SM4500Cl-B	/kg	Analyze	d By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/29/2018	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/30/2018	ND	206	103	200	7.28	
DRO >C10-C28*	126	10.0	11/30/2018	ND	215	107	200	10.2	
EXT DRO >C28-C36	63.9	10.0	11/30/2018	ND					
Surrogate: 1-Chlorooctane	88.5	% 41-142	,						
Surrogate: 1-Chlorooctadecane	103	% 37.6-14	7						

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/26/2018	Sampling Date:	11/26/2018
Reported:	12/03/2018	Sampling Type:	Soil
Project Name:	TONY FEDERAL TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

## Sample ID: N WALL SP7 @ 2' (H803449-02)

BTEX 8021B mg/kg		Analyze	d By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2018	ND	1.84	92.0	2.00	1.42	
Toluene*	<0.050	0.050	11/30/2018	ND	1.81	90.6	2.00	0.406	
Ethylbenzene*	<0.050	0.050	11/30/2018	ND	1.74	87.1	2.00	0.831	
Total Xylenes*	<0.150	0.150	11/30/2018	ND	5.56	92.6	6.00	1.59	
Total BTEX	<0.300	0.300	11/30/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 73.3-12	9						
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	11/29/2018	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/30/2018	ND	206	103	200	7.28	
DRO >C10-C28*	10.2	10.0	11/30/2018	ND	215	107	200	10.2	
EXT DRO >C28-C36	<10.0	10.0	11/30/2018	ND					
Surrogate: 1-Chlorooctane	88.4	% 41-142	,						
Surrogate: 1-Chlorooctadecane	98.3	% 37.6-14	7						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/26/2018	Sampling Date:	11/26/2018
Reported:	12/03/2018	Sampling Type:	Soil
Project Name:	TONY FEDERAL TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

## Sample ID: W WALL SP7 @ 2' (H803449-03)

BTEX 8021B mg/kg		′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2018	ND	1.84	92.0	2.00	1.42	
Toluene*	<0.050	0.050	11/30/2018	ND	1.81	90.6	2.00	0.406	
Ethylbenzene*	<0.050	0.050	11/30/2018	ND	1.74	87.1	2.00	0.831	
Total Xylenes*	<0.150	0.150	11/30/2018	ND	5.56	92.6	6.00	1.59	
Total BTEX	<0.300	0.300	11/30/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/29/2018	ND	400	100	400	0.00	
TPH 8015M	mg/	′kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/30/2018	ND	218	109	200	2.03	
DRO >C10-C28*	<10.0	10.0	11/30/2018	ND	222	111	200	0.654	
EXT DRO >C28-C36	<10.0	10.0	11/30/2018	ND					
Surrogate: 1-Chlorooctane	91.3	% 41-142							
Surrogate: 1-Chlorooctadecane	96.1	% 37.6-14	7						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/26/2018	Sampling Date:	11/26/2018
Reported:	12/03/2018	Sampling Type:	Soil
Project Name:	TONY FEDERAL TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

## Sample ID: E WALL SP7 @ 2' (H803449-04)

BTEX 8021B	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2018	ND	1.84	92.0	2.00	1.42	
Toluene*	<0.050	0.050	11/30/2018	ND	1.81	90.6	2.00	0.406	
Ethylbenzene*	<0.050	0.050	11/30/2018	ND	1.74	87.1	2.00	0.831	
Total Xylenes*	<0.150	0.150	11/30/2018	ND	5.56	92.6	6.00	1.59	
Total BTEX	<0.300	0.300	11/30/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	11/29/2018	ND	400	100	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/30/2018	ND	218	109	200	2.03	
DRO >C10-C28*	<10.0	10.0	11/30/2018	ND	222	111	200	0.654	
EXT DRO >C28-C36	<10.0	10.0	11/30/2018	ND					
Surrogate: 1-Chlorooctane	95.1	% 41-142	,						
Surrogate: 1-Chlorooctadecane	99.4	% 37.6-14	7						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## **Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500CI-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

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Received by OCD: 9/9/2020 1:40:25 PM

101 East Marland, Hobbs, NM 88240

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	(575) 393-2326 FAX	(575) 393-247	6																							
Company Name										E	311	LTO							ANA	LYS	IS R	EQUE	ST			
Project Manage	r: Bruce Bal	er.						Ρ.	0. #	:				1		T				T		1	1	Γ	-	
Address:			1	- 2 - 2	~			Co	mp	any:									5							
City: Habbs	;	State: DM	Zip	:88	24	10		At	Attn:																	
Phone #:		Fax #:						Address:																		
Project #:		Project Owner	:					City:																		
Project Name:	٨							Sta	ate:			Zip:														
Project Location	n: Tonis feel	tank	Br	atte	m.	i		Ph	one	#:				1									1	2		
Sampler Name:	chre Ruescreb	n						Fa	x #:					1												
FOR LAB USE ONLY	00-0			1		MAT	RIX		PRE	ESER	۲V.	SAMPL	NG	1												
Lab I.D. <u>H803449</u> l 2 3 4	Sample I. 5 wall sp 1 wall sp w wall sp 2 wall sp 6 and sp 7	1 <u>@ 1'</u> '@ 2' '@ 0'	D.D.D. D (G)RABYOR (C)OMP	CONTAINERS	MASTEWATER	20IL	OIL	OTHER:	ACID/BASE:		OTHER:	DATE 11 24 11 24 11 24 11 24	ТІМЕ (: SUppo (: Збри (:Збри (: Збри (: Дбри)	VY VN AI	111	HOT TRAV /	1/1/BTex									
analyses. An ciantis includit	nd Damages. Cardinal's liability and clier ng those for negligence and any other ca ardinal be liable for incidental or conseq no und for related to the serformance	ause whatsoever shall be di uental damages, including v	eemed without	waived i limitatio	unless m n. busini	nade in w ess interr	riting a	nd recei	ved by	Cardin:	al with	hin 30 days afte	r completion of th	ne applio	cable											
Relinquished By Relinquished By Delivered By Sampler - UPS	(Circle One)	Jesevices hereunder by Ca Date: <u>11-36-18</u> Time: <u>716:25</u> Date: Time: <del>716:25</del>	Rec	eive	d By d By d By Sam	iether sud : 10/	onditact	tion		CHEC		D BY:	Phone Res Fax Result REMARKS	suit: t: S:		Yes Yes		No No	Add'l Add'l							



December 07, 2018

BRUCE BAKER APACHE CORP - HOBBS 2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: TONY FEDERAL TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 12/04/18 14:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. 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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated 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,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	12/04/2018	Sampling Date:	12/04/2018
Reported:	12/07/2018	Sampling Type:	Soil
Project Name:	TONY FEDERAL TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

## Sample ID: SP 8 WEST WALL (H803560-01)

BTEX 8021B	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/05/2018	ND	2.01	101	2.00	8.83	
Toluene*	<0.050	0.050	12/05/2018	ND	1.96	97.9	2.00	8.15	
Ethylbenzene*	<0.050	0.050	12/05/2018	ND	1.90	94.9	2.00	7.64	
Total Xylenes*	<0.150	0.150	12/05/2018	ND	6.07	101	6.00	7.53	
Total BTEX	<0.300	0.300	12/05/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	12/05/2018	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/06/2018	ND	200	99.9	200	8.02	
DRO >C10-C28*	77.7	10.0	12/06/2018	ND	211	106	200	8.47	
EXT DRO >C28-C36	22.0	10.0	12/06/2018	ND					
Surrogate: 1-Chlorooctane	97.5	% 41-142							
Surrogate: 1-Chlorooctadecane	111 9	% 37.6-14	7						

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



## **Notes and Definitions**

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Received by OCD: 9/9/2020 1:40:25 PM

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	101 East Marland, Hobbs, NM 882 (575) 393-2326 FAX (575) 393-247																							
Company Name: Pache							BILL TO						ANALYSIS REQUEST											
Project Manager: Bruce Baller						F	P.O. #:										Τ	Τ	Τ					
Address:							Company:																	
City: Hobbs State: UH Zip: 88240							Attn:																	
Phone #: Fax #:						A	Address:																	
Project #: Project Owner:							City:																	
Project Name:						S	State: Zip:																	
Project Location: Tony Feel Tanle Battery						F	Phone #:																	
Sampler Name: Dre Die & Back						-	Fax #:																	
FOR LAB USE ONLY		G.		MA	TRI	(	PI	RESE	RV.	SAMPL	ING													
Lab I.D.	Sample I.D. SP8 westwall	C (G)RAB OR (C)OMP	GROUNDWATER	Wastewater Soll	OIL	STADGE	ACID/BASE:		OTHER :	рате 12/04	TIME IO: &/ Am			NEXT DI	1 BTEX									
													-					+						
PLEASE NOTE: Liability and analyses. All claims includin	d Damages. Cardinal's liability and client's exclusive remedy for a g those for negligence and any other cause whatsoever shall be o	ny claim aris	sing when	her base	d in co	ntract or	tort, sh	all be lin	nited to	o the amount pai	d by the client for	the appl	icabla			· ·	1	1						
service. In no event shall Ca affiliates or successors arisin	rdinal be liable for incidental or consequental damages, including g out of or related to the performance of services hereunder by C	without limit	tation, bu	siness in	terrupt	ions, los	s of use	e, or loss	s of pro	ofits incurred by	client, its subsidiar	ries.	icable											
Relinquished By:     Date:     Received By:       Relinquished By:     Date:     Received By:					ler	MSON_				Phone Result:  Yes No Add'I Phone #: Fax Result: Yes No Add'I Fax #: REMARKS:									<u></u>					
	Time:																							
Delivered By: Sampler - UPS	(Circle One) - Bus - Other: $2.82/\#($	17	S	ample ool Yes No		ndition ct Yes No	1	СНЕ		ED BY: als)	Emo	1		R	esc	alts								

Photos



From:	Pruett, Maria, EMNRD
То:	Baker, Larry; "stucker@blm.gov"
Cc:	Bratcher, Michael, EMNRD
Subject:	[EXTERNAL] Closure Approved RE: [EXT] FW: Tony Federal Battery corrective action plan 2RP 2071, 2132,2509
Date:	Saturday, November 3, 2018 6:57:13 PM

Hello Mr. Baker, The closure for 2RP 2071, 2132 and 2509 has been approved. Best Regards,

Maria Pruett

Environmental Specialist N.M. Oil Conservation Division District 2 811 S. 1<sup>st</sup> Street Artesia, NM 88210 Desk: 575 748-1283 X 101 Cell: 575 840-5963 Fax: 575748-9720 *OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or* 

approval does not relieve the regulations.

From: Baker, Larry <Larry.Baker@apachecorp.com>

Sent: Tuesday, October 30, 2018 2:54 PM

**To:** Pruett, Maria, EMNRD <Maria.Pruett@state.nm.us>; 'stucker@blm.gov' <stucker@blm.gov> **Subject:** [EXT] FW: Tony Federal Battery corrective action plan 2RP 2071, 2132,2502

Ms. Pruett,

Attached is the page 5 of the new C-141 that we discuss on Friday. Apache Corporation appreciates all your help in resolving this issue. Please let me know if you need anything else or wish to discuss. Thanks and have a good day.

## **BRUCE BAKER**

ENVIRONMENTAL TECHNICIAN SR direct 575-393-7106 ext 1523 | Cell 432-631-6982

APACHE CORPORATION 2350 W. MARLAND BLVD HOBBS , NM 88240

ApacheCorp.com | LinkedIn | Facebook | Twitter | StockTwits | YouTube

From: Baker, Larry

Sent: Tuesday, October 16, 2018 4:34 PM

To: 'Pruett, Maria, EMNRD' <<u>Maria.Pruett@state.nm.us</u>>; 'stucker@blm.gov' <<u>stucker@blm.gov</u>> Subject: Tony Federal Battery corrective action plan 2RP 2071,2132,2502

All,

Attached is the corrective action plan for your review and approval. Please let me know if you have any questions or wish to discuss. Thanks and have a good day.

# **BRUCE BAKER**

ENVIRONMENTAL TECHNICIAN SR direct 575-393-7106 ext 1523 | Cell 432-631-6982

APACHE CORPORATION 2350 W. MARLAND BLVD HOBBS , NM 88240 ApacheCorp.com | LinkedIn | Facebook | Twitter | StockTwits | YouTube

WARNING EXTERNAL EMAIL: This email is from an external source. Do not click links or open attachments without positive sender verification of purpose. Never enter Username, Password or sensitive information on linked pages from this email. If you are unsure about the message, please contact the ServiceDesk for assistance.

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

Operator:	OGRID:					
APACHE CORPORATION	873					
303 Veterans Airpark Ln	Action Number:					
Midland, TX 79705	10091					
	Action Type:					
	[C-141] Release Corrective Action (C-141)					
CONDITIONS						

Created By	Condition	Condition Date
amaxwell	None	1/25/2023

CONDITIONS

Action 10091

Page 74 of 74