



303 Veterans Airpark Lane Midland, TX 79705

Closure Report

December 5, 2023

Re: South Eunice Seven Rivers Queen CTB
Case nAPP2234836277

On 12/2/2022 a release occurred due to corrosion on water tank. The release (GPS: 32.3593335, -103.234675) is located south of Eunice, New Mexico in unit letter J section 26 township 22S range 36E. A groundwater survey was conducted utilizing NMOSE wells of record. The nearest wells suggest that groundwater is over 50 feet. A remediation plan was submitted and denied by OCD. On 5/11/2023 a soil bore was conducted to a depth of 111 feet. The bore hole was left open for 72 hours and gauged for the presence of water. The bore hole was dry indicating that the depth of groundwater beneath the release is greater than 100 feet. A remediation plan was submitted and approved by OCD.

The release area was excavated in accordance with the OCD approved remediation plan. All excavated soil was hauled to an OCD approval facility. On 10/9/2023 final samples were collected not to exceed 400 square feet. All samples collected were submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. The excavation in the pasture was backfilled with clean imported topsoil to ground surface and contoured to the surrounding area. The excavation on the pad was backfilled with clean imported caliche to restore the lease pad. On 11/27/2023 the disturbed area was reseeded in accordance with the noxious weed and revegetation plan.

Apache Corporation has completed the remediation to the requirements of 19.15.29 NMAC and respectfully request that the matter be closed.

Enclosed: C-141, Maps, Sample Data, Laboratory Results, Photos, and Noxious Weed and Revegetation Plan.

Submitted by.

Larry Baker

Environmental Specialist Sr.
larry.baker@apachecorp.com
Cell# 432-250-8384

Incident ID	
District RP	
Facility ID	
Application ID	

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.

Closure Report Attachment Checklist: *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)
- ☒ 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 Specialist Sr.

Signature: Larry Baker

Date: 8/22/2024

email: larry.baker@apachecorp.com

Telephone: 432-250-8384

OCD Only

Received by: _____

Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____

Title: _____

From: OCDOnline@state.nm.us
To: [Baker, Larry](#)
Subject: [EXTERNAL] The Oil Conservation Division (OCD) has approved the application, Application ID: 224663
Date: Friday, September 1, 2023 9:23:39 AM

To whom it may concern (c/o Larry Baker for APACHE CORPORATION),

The OCD has approved the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2234836277, with the following conditions:

- **Remediation plan is approved under the following conditions; 1. Final 5-point composite samples for the excavation sidewalls and bottom will be collected not to exceed 400 square feet. 2. Bullet #1 to meet reclamation standards for areas no longer in use. 3. Apache has 90-days (November 30, 2023) to complete and submit the appropriate or final closure report.**

The signed C-141 can be found in the OCD Online: Imaging under the incident ID (n#).

If you have any questions regarding this application, please contact me.

Thank you,
Nelson Velez
Environmental Specialist - Advanced
505-469-6146
Nelson.Velez@emnrd.nm.gov

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

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From: [Velez, Nelson, EMNRD](#)
To: [Baker, Larry](#)
Subject: Re: [EXTERNAL] Final Sampling Notification
Date: Thursday, October 5, 2023 3:49:46 PM
Attachments: [Outlook-h4r25zl4.png](#)

Hi Bruce,

Thank you for the notice. If an OCD representative is not on-site on the date &/or time given, please sample per 19.15.29 NMAC or from an OCD pre-approved sampling plan. For whatever reason, if the sampling timeframe is altered, please notify the OCD as soon as possible so we may adjust our schedule(s). Failure to notify the OCD of this change may result in the closure sample(s) not being accepted.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

The OCD requires a copy of all correspondence relative to remedial activities be included in all proposals and/or final closure reports. Correspondence required to be included in reports may include, but not limited to, notifications for liner inspections, sample events, spill/release/fire, and request for time extensions or variances.

Regards,

Nelson Velez • Environmental Specialist - Adv
Environmental Bureau | EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87410
(505) 469-6146 | nelson.velez@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>



From: Baker, Larry <Larry.Baker@apachecorp.com>
Sent: Thursday, October 5, 2023 10:17 AM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Subject: [EXTERNAL] Final Sampling Notification

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Mr. Velez,

Apache Corporation will be conducting final samples for the SESRQ CTB nAPP2234836277 at 10:30 am on Monday 10/9/2023. Please let me know if you have any questions or wish to discuss.

BRUCE BAKER

ENVIRONMENTAL SPECIALIST SR

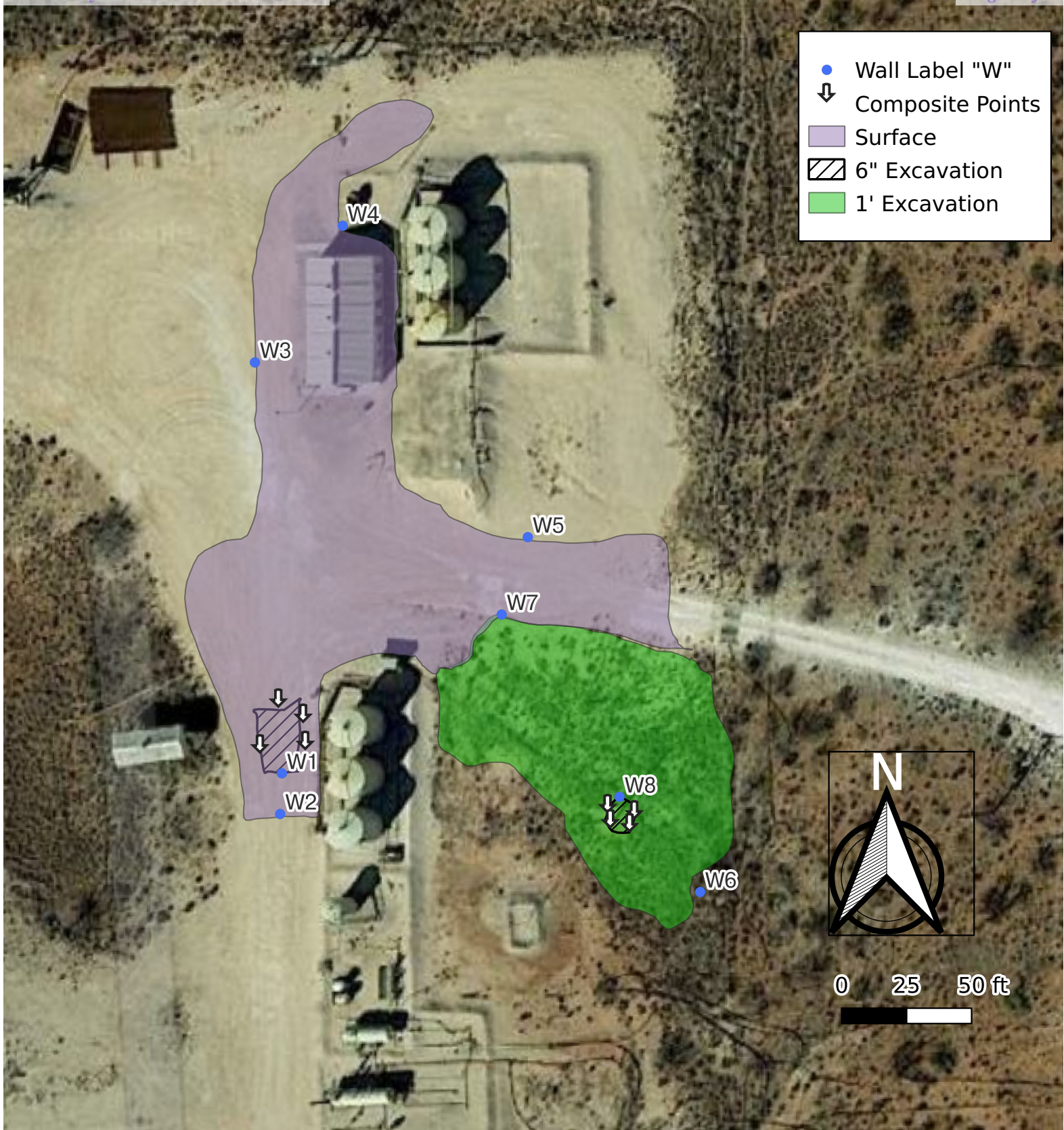
direct 432-818-1654 | *Cell* 432-250-8384

APACHE CORPORATION

303 Veterans Airpark Lane
Midland, TX 79705

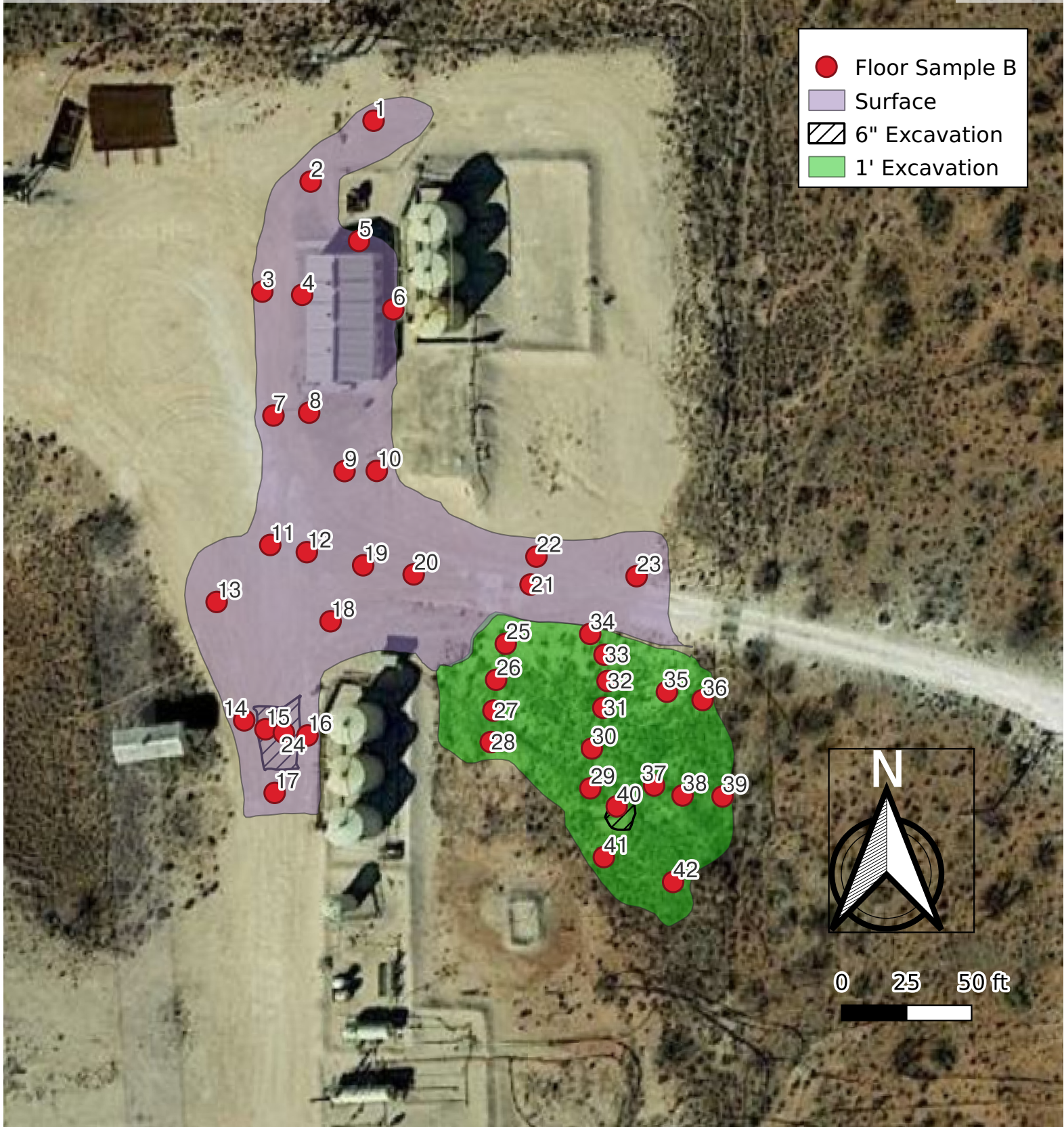
[ApacheCorp.com](https://www.apachecorp.com) | [LinkedIn](#) | [Facebook](#) | [Twitter](#) | [StockTwits](#) | [YouTube](#)

Location Description															
SAMPLE ID	LAB ID NUMBER	SAMPLE DEPTH	SAMPLE TYPE	SAMPLE DATE	BENZENE	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	TOTAL BTX (mg/kg)	GRO C6-C10 (mg/kg)	DRO C10-C28 (mg/kg)	EXT DRO C28-C36 (mg/kg)	TOTAL TPH C6-C36 (mg/kg)	CHLORIDE	
W1	H235520-13	0-6"	Comp	10/10/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16	
W2	H235520-14	0-6"	Comp	10/10/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	160	
W3	H235520-15	0-6"	Comp	10/10/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	176	
W4	H235520-16	0-6"	Comp	10/10/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	144	
W5	H235520-17	0-6"	Comp	10/10/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	144	
W6	H235520-18	0-1'	Comp	10/10/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48	
W7	H235520-19	0-1'	Comp	10/10/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	224	
W8	H235520-20	0-6"	Comp	10/10/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	208	
SESQ CTB															
SAMPLE ID	LAB ID NUMBER	SAMPLE DEPTH	SAMPLE TYPE	SAMPLE DATE	BENZENE	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	TOTAL BTX (mg/kg)	GRO C6-C10 (mg/kg)	DRO C10-C28 (mg/kg)	EXT DRO C28-C36 (mg/kg)	TOTAL TPH C6-C36 (mg/kg)	CHLORIDE	
B1	H235498-01	Surface	Comp	10/9/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	128	
B2	H235498-02	Surface	Comp	10/9/23	<0.050	0.057	<0.050	<0.150	<0.300	<10.0	24.7	<10.0	24.7	320	
B3	H235498-03	Surface	Comp	10/9/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	26.3	23.9	50.2	336	
B4	H235498-04	Surface	Comp	10/9/23	<0.050	0.136	<0.050	<0.150	<0.300	<10.0	64.9	91.3	156.2	560	
B5	H235498-05	Surface	Comp	10/9/23	<0.050	0.365	<0.050	<0.150	0.356	<10.0	215	226	441	432	
B6	H235498-06	Surface	Comp	10/9/23	<0.050	0.356	<0.050	<0.150	0.356	<10.0	44.3	26.5	70.8	480	
B7	H235498-07	Surface	Comp	10/9/23	<0.050	0.286	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1180	
B8	H235498-08	Surface	Comp	10/9/23	<0.050	0.277	<0.050	<0.150	<0.300	<10.0	68.6	169	<10.0	736	
B9	H235498-09	Surface	Comp	10/9/23	<0.050	0.119	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	896	
B10	H235498-10	Surface	Comp	10/9/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64	
B11	H235498-11	Surface	Comp	10/9/23	<0.050	0.096	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	688	
B12	H235498-12	Surface	Comp	10/9/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	368	
B13	H235498-13	Surface	Comp	10/9/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32	
B14	H235498-14	Surface	Comp	10/9/23	<0.050	0.092	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32	
B15	H235498-15	Surface	Comp	10/9/23	<0.050	0.073	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48	
B16	H235498-16	Surface	Comp	10/9/23	<0.050	0.09	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64	
B17	H235498-17	Surface	Comp	10/9/23	<0.050	0.173	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80	
B18	H235498-18	Surface	Comp	10/9/23	<0.050	0.104	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64	
B19	H235498-19	Surface	Comp	10/9/23	<0.050	0.287	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	784	
B20	H235498-20	Surface	Comp	10/9/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48	
B21	H235498-21	Surface	Comp	10/9/23	<0.050	0.284	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	688	
B22	H235498-22	Surface	Comp	10/9/23	<0.050	0.128	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96	
B23	H235498-23	Surface	Comp	10/9/23	<0.050	0.291	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	400	
B24	H235498-24	6"	Comp	10/9/23	<0.050	0.162	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16	
B25	H235498-25	1'	Comp	10/9/23	<0.050	0.196	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	352	
B26	H235498-26	1'	Comp	10/9/23	<0.050	0.273	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	416	
B27	H235498-27	1'	Comp	10/9/23	<0.050	0.145	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	192	
B28	H235498-28	1'	Comp	10/9/23	<0.050	0.193	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	176	
B29	H235498-29	1'	Comp	10/9/23	<0.050	0.154	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	416	
B30	H235498-30	1'	Comp	10/9/23	<0.050	0.173	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	400	
B31	H235520-01	1'	Comp	10/10/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	112	
B32	H235520-02	1'	Comp	10/10/23	<0.050	0.051	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	160	
B33	H235520-03	1'	Comp	10/10/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	160	
B34	H235520-04	1'	Comp	10/10/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	352	
B35	H235520-05	1'	Comp	10/10/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	352	
B36	H235520-06	1'	Comp	10/10/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	368	
B37	H235520-07	1'	Comp	10/10/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	432	
B38	H235520-08	1'	Comp	10/10/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	432	
B39	H235520-09	1'	Comp	10/10/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	480	
B40	H235520-10	6"	Comp	10/10/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	16.2	<10.0	16.2	224	
B41	H235520-11	1'	Comp	10/10/23	<0.050	0.064	<0.050	<0.150	<0.300	<10.0	20.4	13.9	34.3	48	
B42	H235520-12	1'	Comp	10/10/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32	



SESRQ CTB

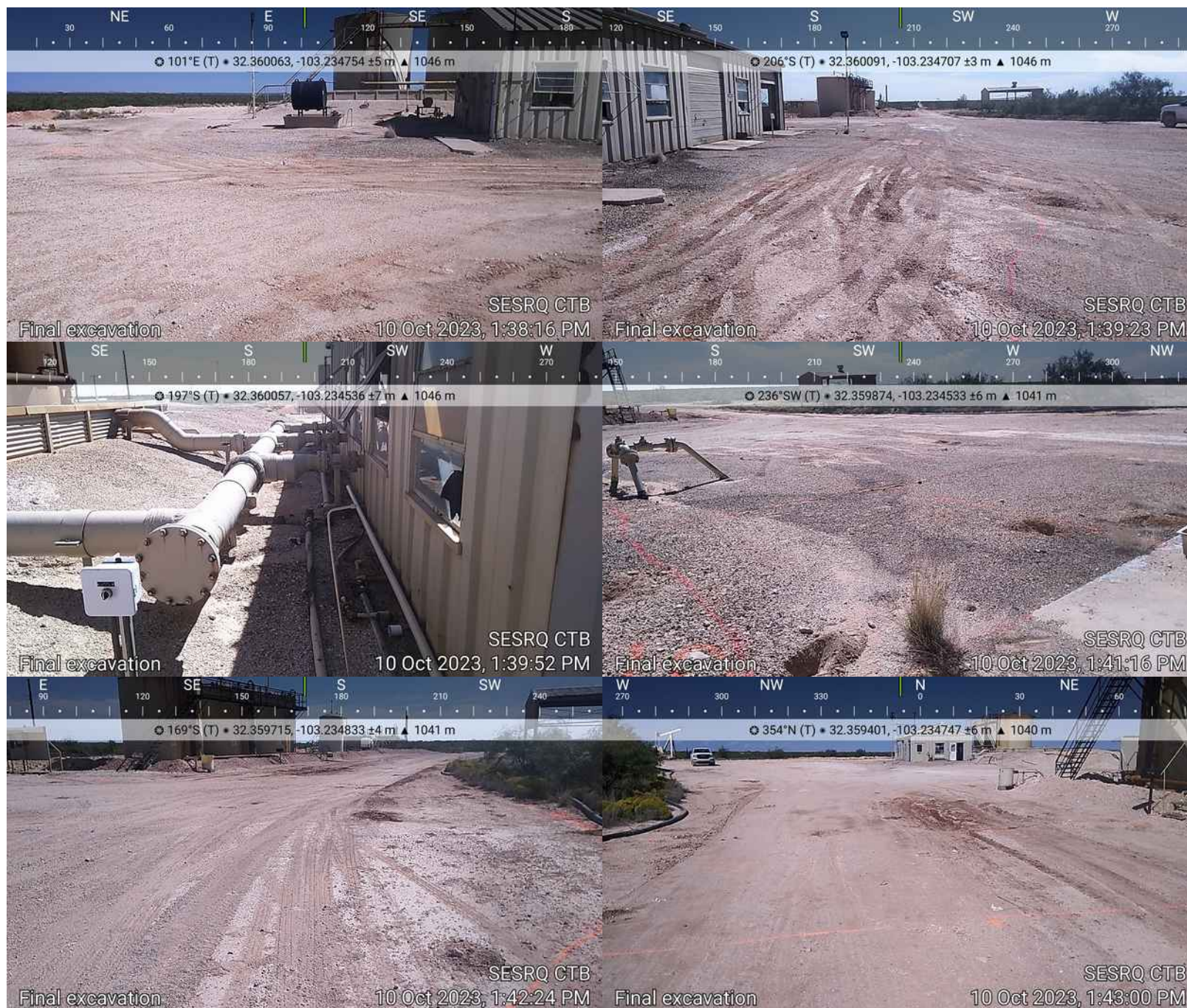
Wall Sample Map



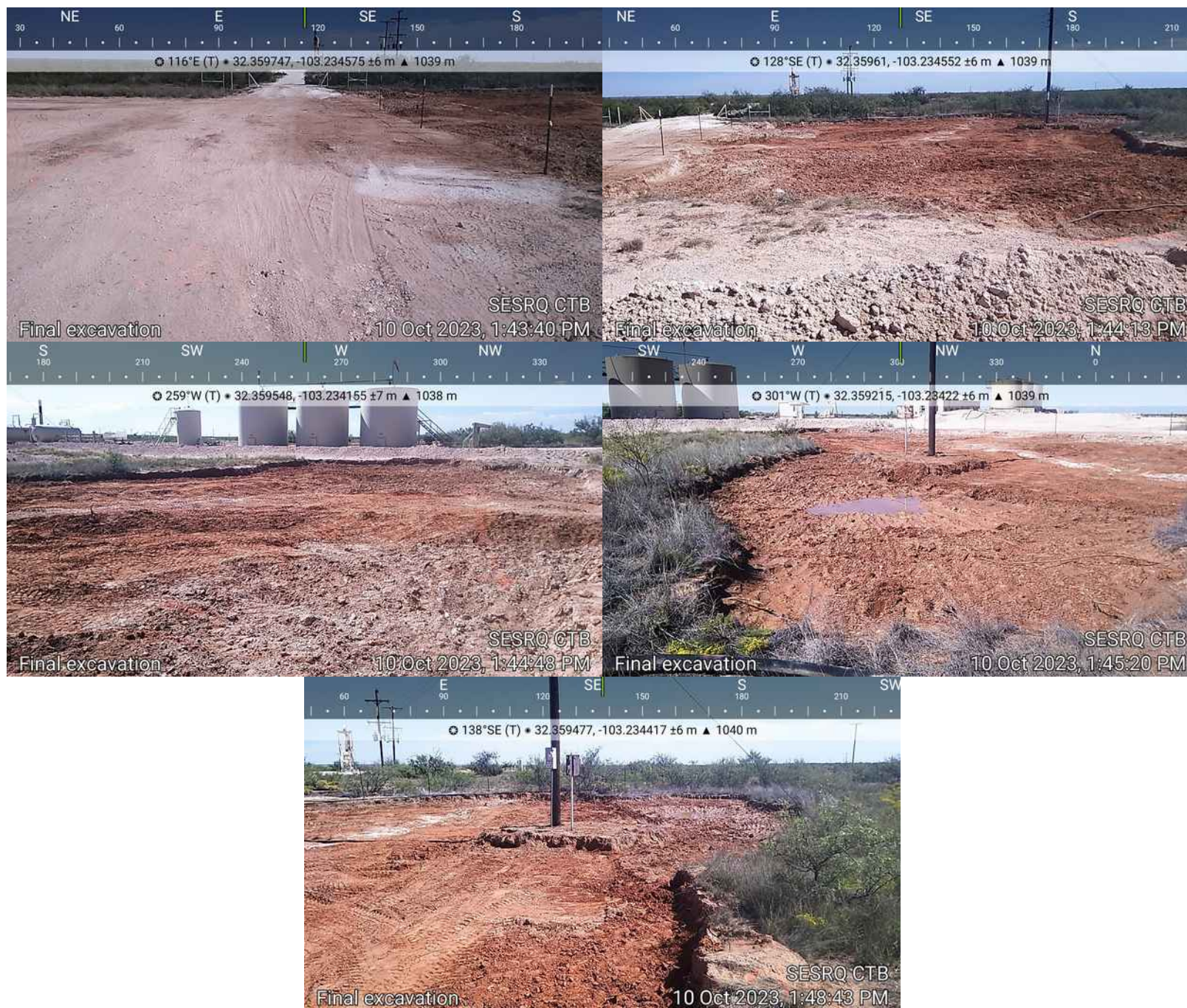
SESRQ CTB

Floor Sample Map

SESRQ CTB
Final Excavation



SESQ CTB
Final Excavation



SESRO CTB
Backfill



SESRO CTB
Seeding



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

October 12, 2023

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: SESR Q CTB

Enclosed are the results of analyses for samples received by the laboratory on 10/09/23 16:33.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/09/2023
 Reported: 10/12/2023
 Project Name: SESR Q CTB
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 10/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 1 SURFACE (H235498-01)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2023	ND	2.00	99.9	2.00	3.89	
Toluene*	<0.050	0.050	10/10/2023	ND	1.99	99.7	2.00	5.12	
Ethylbenzene*	<0.050	0.050	10/10/2023	ND	2.05	102	2.00	4.50	
Total Xylenes*	<0.150	0.150	10/10/2023	ND	6.09	101	6.00	4.92	
Total BTEX	<0.300	0.300	10/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	10/10/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/10/2023	ND	202	101	200	0.980	
DRO >C10-C28*	<10.0	10.0	10/10/2023	ND	208	104	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	10/10/2023	ND					

Surrogate: 1-Chlorooctane 84.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.4 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (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 client, its subsidiaries, affiliates or successors arising 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 Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/09/2023
 Reported: 10/12/2023
 Project Name: SESR Q CTB
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 10/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 2 SURFACE (H235498-02)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2023	ND	2.00	99.9	2.00	3.89	
Toluene*	0.057	0.050	10/10/2023	ND	1.99	99.7	2.00	5.12	
Ethylbenzene*	<0.050	0.050	10/10/2023	ND	2.05	102	2.00	4.50	
Total Xylenes*	<0.150	0.150	10/10/2023	ND	6.09	101	6.00	4.92	
Total BTEX	<0.300	0.300	10/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	10/10/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/10/2023	ND	202	101	200	0.980	
DRO >C10-C28*	24.7	10.0	10/10/2023	ND	208	104	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	10/10/2023	ND					

Surrogate: 1-Chlorooctane 88.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/09/2023
 Reported: 10/12/2023
 Project Name: SESR Q CTB
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 10/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 3 SURFACE (H235498-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/10/2023	ND	2.01	101	2.00	1.36		
Toluene*	<0.050	0.050	10/10/2023	ND	1.95	97.5	2.00	0.706		
Ethylbenzene*	<0.050	0.050	10/10/2023	ND	2.02	101	2.00	0.840		
Total Xylenes*	<0.150	0.150	10/10/2023	ND	5.95	99.1	6.00	1.16		
Total BTEx	<0.300	0.300	10/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	10/10/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/10/2023	ND	202	101	200	0.980	
DRO >C10-C28*	26.3	10.0	10/10/2023	ND	208	104	200	1.63	
EXT DRO >C28-C36	23.9	10.0	10/10/2023	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/09/2023
 Reported: 10/12/2023
 Project Name: SESR Q CTB
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 10/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 4 SURFACE (H235498-04)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2023	ND	2.01	101	2.00	1.36	
Toluene*	0.136	0.050	10/10/2023	ND	1.95	97.5	2.00	0.706	
Ethylbenzene*	<0.050	0.050	10/10/2023	ND	2.02	101	2.00	0.840	
Total Xylenes*	<0.150	0.150	10/10/2023	ND	5.95	99.1	6.00	1.16	
Total BTEX	<0.300	0.300	10/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	10/10/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/10/2023	ND	197	98.6	200	2.85	
DRO >C10-C28*	64.9	10.0	10/10/2023	ND	198	98.9	200	1.13	
EXT DRO >C28-C36	91.3	10.0	10/10/2023	ND					

Surrogate: 1-Chlorooctane 90.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/09/2023
 Reported: 10/12/2023
 Project Name: SESR Q CTB
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 10/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 5 SURFACE (H235498-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/10/2023	ND	2.01	101	2.00	1.36		
Toluene*	0.365	0.050	10/10/2023	ND	1.95	97.5	2.00	0.706		
Ethylbenzene*	<0.050	0.050	10/10/2023	ND	2.02	101	2.00	0.840		
Total Xylenes*	<0.150	0.150	10/10/2023	ND	5.95	99.1	6.00	1.16		
Total BTEx	0.365	0.300	10/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	10/10/2023	ND	432	108	400	3.64		

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	10/11/2023	ND	197	98.6	200	2.85	
DRO >C10-C28*	215	10.0	10/11/2023	ND	198	98.9	200	1.13	
EXT DRO >C28-C36	226	10.0	10/11/2023	ND					

Surrogate: 1-Chlorooctane 87.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/09/2023
 Reported: 10/12/2023
 Project Name: SESR Q CTB
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 10/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 6 SURFACE (H235498-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/10/2023	ND	2.01	101	2.00	1.36		
Toluene*	0.356	0.050	10/10/2023	ND	1.95	97.5	2.00	0.706		
Ethylbenzene*	<0.050	0.050	10/10/2023	ND	2.02	101	2.00	0.840		
Total Xylenes*	<0.150	0.150	10/10/2023	ND	5.95	99.1	6.00	1.16		
Total BTEx	0.356	0.300	10/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	10/10/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/10/2023	ND	197	98.6	200	2.85	
DRO >C10-C28*	44.3	10.0	10/10/2023	ND	198	98.9	200	1.13	
EXT DRO >C28-C36	26.5	10.0	10/10/2023	ND					

Surrogate: 1-Chlorooctane 92.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/09/2023
 Reported: 10/12/2023
 Project Name: SESR Q CTB
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 10/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 7 SURFACE (H235498-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/10/2023	ND	2.01	101	2.00	1.36		
Toluene*	0.286	0.050	10/10/2023	ND	1.95	97.5	2.00	0.706		
Ethylbenzene*	<0.050	0.050	10/10/2023	ND	2.02	101	2.00	0.840		
Total Xylenes*	<0.150	0.150	10/10/2023	ND	5.95	99.1	6.00	1.16		
Total BTEX	<0.300	0.300	10/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1180	16.0	10/10/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/10/2023	ND	197	98.6	200	2.85	
DRO >C10-C28*	<10.0	10.0	10/10/2023	ND	198	98.9	200	1.13	
EXT DRO >C28-C36	<10.0	10.0	10/10/2023	ND					

Surrogate: 1-Chlorooctane 91.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/09/2023
 Reported: 10/12/2023
 Project Name: SESR Q CTB
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 10/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 8 SURFACE (H235498-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/10/2023	ND	2.01	101	2.00	1.36		
Toluene*	0.277	0.050	10/10/2023	ND	1.95	97.5	2.00	0.706		
Ethylbenzene*	<0.050	0.050	10/10/2023	ND	2.02	101	2.00	0.840		
Total Xylenes*	<0.150	0.150	10/10/2023	ND	5.95	99.1	6.00	1.16		
Total BTEX	<0.300	0.300	10/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	736	16.0	10/10/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/10/2023	ND	197	98.6	200	2.85	
DRO >C10-C28*	68.6	10.0	10/10/2023	ND	198	98.9	200	1.13	
EXT DRO >C28-C36	169	10.0	10/10/2023	ND					

Surrogate: 1-Chlorooctane 81.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/09/2023
 Reported: 10/12/2023
 Project Name: SESR Q CTB
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 10/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 9 SURFACE (H235498-09)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2023	ND	2.01	101	2.00	1.36	
Toluene*	0.119	0.050	10/11/2023	ND	1.95	97.5	2.00	0.706	
Ethylbenzene*	<0.050	0.050	10/11/2023	ND	2.02	101	2.00	0.840	
Total Xylenes*	<0.150	0.150	10/11/2023	ND	5.95	99.1	6.00	1.16	
Total BTEX	<0.300	0.300	10/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	896	16.0	10/10/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/10/2023	ND	197	98.6	200	2.85	
DRO >C10-C28*	<10.0	10.0	10/10/2023	ND	198	98.9	200	1.13	
EXT DRO >C28-C36	<10.0	10.0	10/10/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/09/2023
 Reported: 10/12/2023
 Project Name: SESR Q CTB
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 10/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 10 SURFACE (H235498-10)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/11/2023	ND	2.01	101	2.00	1.36		
Toluene*	<0.050	0.050	10/11/2023	ND	1.95	97.5	2.00	0.706		
Ethylbenzene*	<0.050	0.050	10/11/2023	ND	2.02	101	2.00	0.840		
Total Xylenes*	<0.150	0.150	10/11/2023	ND	5.95	99.1	6.00	1.16		
Total BTEX	<0.300	0.300	10/11/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	10/11/2023	ND	432	108	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	10/10/2023	ND	197	98.6	200	2.85	
DRO >C10-C28*	<10.0	10.0	10/10/2023	ND	198	98.9	200	1.13	
EXT DRO >C28-C36	<10.0	10.0	10/10/2023	ND					

Surrogate: 1-Chlorooctane 99.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/09/2023
 Reported: 10/12/2023
 Project Name: SESR Q CTB
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 10/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 11 SURFACE (H235498-11)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2023	ND	2.01	101	2.00	1.36	
Toluene*	0.096	0.050	10/11/2023	ND	1.95	97.5	2.00	0.706	
Ethylbenzene*	<0.050	0.050	10/11/2023	ND	2.02	101	2.00	0.840	
Total Xylenes*	<0.150	0.150	10/11/2023	ND	5.95	99.1	6.00	1.16	
Total BTEX	<0.300	0.300	10/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	10/11/2023	ND	432	108	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	10/10/2023	ND	197	98.6	200	2.85	
DRO >C10-C28*	<10.0	10.0	10/10/2023	ND	198	98.9	200	1.13	
EXT DRO >C28-C36	<10.0	10.0	10/10/2023	ND					

Surrogate: 1-Chlorooctane 89.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/09/2023
 Reported: 10/12/2023
 Project Name: SESR Q CTB
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 10/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 12 SURFACE (H235498-12)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2023	ND	2.01	101	2.00	1.36	
Toluene*	<0.050	0.050	10/11/2023	ND	1.95	97.5	2.00	0.706	
Ethylbenzene*	<0.050	0.050	10/11/2023	ND	2.02	101	2.00	0.840	
Total Xylenes*	<0.150	0.150	10/11/2023	ND	5.95	99.1	6.00	1.16	
Total BTEX	<0.300	0.300	10/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	10/11/2023	ND	432	108	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	10/10/2023	ND	197	98.6	200	2.85	
DRO >C10-C28*	<10.0	10.0	10/10/2023	ND	198	98.9	200	1.13	
EXT DRO >C28-C36	<10.0	10.0	10/10/2023	ND					

Surrogate: 1-Chlorooctane 94.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/09/2023
 Reported: 10/12/2023
 Project Name: SESR Q CTB
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 10/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 13 SURFACE (H235498-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/11/2023	ND	2.01	101	2.00	1.36		
Toluene*	<0.050	0.050	10/11/2023	ND	1.95	97.5	2.00	0.706		
Ethylbenzene*	<0.050	0.050	10/11/2023	ND	2.02	101	2.00	0.840		
Total Xylenes*	<0.150	0.150	10/11/2023	ND	5.95	99.1	6.00	1.16		
Total BTEx	<0.300	0.300	10/11/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/11/2023	ND	432	108	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	10/10/2023	ND	197	98.6	200	2.85	
DRO >C10-C28*	<10.0	10.0	10/10/2023	ND	198	98.9	200	1.13	
EXT DRO >C28-C36	<10.0	10.0	10/10/2023	ND					

Surrogate: 1-Chlorooctane 98.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/09/2023
 Reported: 10/12/2023
 Project Name: SESR Q CTB
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 10/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 14 SURFACE (H235498-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/11/2023	ND	2.01	101	2.00	1.36		
Toluene*	0.092	0.050	10/11/2023	ND	1.95	97.5	2.00	0.706		
Ethylbenzene*	<0.050	0.050	10/11/2023	ND	2.02	101	2.00	0.840		
Total Xylenes*	<0.150	0.150	10/11/2023	ND	5.95	99.1	6.00	1.16		
Total BTEx	<0.300	0.300	10/11/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/11/2023	ND	432	108	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	10/10/2023	ND	197	98.6	200	2.85	
DRO >C10-C28*	<10.0	10.0	10/10/2023	ND	198	98.9	200	1.13	
EXT DRO >C28-C36	<10.0	10.0	10/10/2023	ND					

Surrogate: 1-Chlorooctane 95.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/09/2023
 Reported: 10/12/2023
 Project Name: SESR Q CTB
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 10/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 15 SURFACE (H235498-15)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/11/2023	ND	2.01	101	2.00	1.36		
Toluene*	0.073	0.050	10/11/2023	ND	1.95	97.5	2.00	0.706		
Ethylbenzene*	<0.050	0.050	10/11/2023	ND	2.02	101	2.00	0.840		
Total Xylenes*	<0.150	0.150	10/11/2023	ND	5.95	99.1	6.00	1.16		
Total BTEx	<0.300	0.300	10/11/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	10/11/2023	ND	432	108	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	10/10/2023	ND	197	98.6	200	2.85	
DRO >C10-C28*	<10.0	10.0	10/10/2023	ND	198	98.9	200	1.13	
EXT DRO >C28-C36	<10.0	10.0	10/10/2023	ND					

Surrogate: 1-Chlorooctane 98.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/09/2023
 Reported: 10/12/2023
 Project Name: SESR Q CTB
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 10/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 16 SURFACE (H235498-16)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2023	ND	2.01	101	2.00	1.36	
Toluene*	0.090	0.050	10/11/2023	ND	1.95	97.5	2.00	0.706	
Ethylbenzene*	<0.050	0.050	10/11/2023	ND	2.02	101	2.00	0.840	
Total Xylenes*	<0.150	0.150	10/11/2023	ND	5.95	99.1	6.00	1.16	
Total BTEX	<0.300	0.300	10/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/11/2023	ND	432	108	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	10/10/2023	ND	197	98.6	200	2.85	
DRO >C10-C28*	<10.0	10.0	10/10/2023	ND	198	98.9	200	1.13	
EXT DRO >C28-C36	<10.0	10.0	10/10/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/09/2023
 Reported: 10/12/2023
 Project Name: SESR Q CTB
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 10/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 17 SURFACE (H235498-17)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2023	ND	2.01	101	2.00	1.36	
Toluene*	0.173	0.050	10/11/2023	ND	1.95	97.5	2.00	0.706	
Ethylbenzene*	<0.050	0.050	10/11/2023	ND	2.02	101	2.00	0.840	
Total Xylenes*	<0.150	0.150	10/11/2023	ND	5.95	99.1	6.00	1.16	
Total BTX	<0.300	0.300	10/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/11/2023	ND	432	108	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	10/10/2023	ND	197	98.6	200	2.85	
DRO >C10-C28*	<10.0	10.0	10/10/2023	ND	198	98.9	200	1.13	
EXT DRO >C28-C36	<10.0	10.0	10/10/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/09/2023
 Reported: 10/12/2023
 Project Name: SESR Q CTB
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 10/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 18 SURFACE (H235498-18)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2023	ND	2.01	101	2.00	1.36	
Toluene*	0.104	0.050	10/11/2023	ND	1.95	97.5	2.00	0.706	
Ethylbenzene*	<0.050	0.050	10/11/2023	ND	2.02	101	2.00	0.840	
Total Xylenes*	<0.150	0.150	10/11/2023	ND	5.95	99.1	6.00	1.16	
Total BTEx	<0.300	0.300	10/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/11/2023	ND	432	108	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	10/10/2023	ND	197	98.6	200	2.85	
DRO >C10-C28*	<10.0	10.0	10/10/2023	ND	198	98.9	200	1.13	
EXT DRO >C28-C36	<10.0	10.0	10/10/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/09/2023
 Reported: 10/12/2023
 Project Name: SESR Q CTB
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 10/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 19 SURFACE (H235498-19)

BTEX 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2023	ND	2.01	101	2.00	1.36	
Toluene*	0.287	0.050	10/11/2023	ND	1.95	97.5	2.00	0.706	
Ethylbenzene*	<0.050	0.050	10/11/2023	ND	2.02	101	2.00	0.840	
Total Xylenes*	<0.150	0.150	10/11/2023	ND	5.95	99.1	6.00	1.16	
Total BTEX	<0.300	0.300	10/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	10/11/2023	ND	432	108	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	10/10/2023	ND	197	98.6	200	2.85	
DRO >C10-C28*	<10.0	10.0	10/10/2023	ND	198	98.9	200	1.13	
EXT DRO >C28-C36	<10.0	10.0	10/10/2023	ND					

Surrogate: 1-Chlorooctane 95.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/09/2023
 Reported: 10/12/2023
 Project Name: SESR Q CTB
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 10/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 20 SURFACE (H235498-20)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/11/2023	ND	2.01	101	2.00	1.36		
Toluene*	<0.050	0.050	10/11/2023	ND	1.95	97.5	2.00	0.706		
Ethylbenzene*	<0.050	0.050	10/11/2023	ND	2.02	101	2.00	0.840		
Total Xylenes*	<0.150	0.150	10/11/2023	ND	5.95	99.1	6.00	1.16		
Total BTEX	<0.300	0.300	10/11/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	10/11/2023	ND	432	108	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	10/10/2023	ND	197	98.6	200	2.85	
DRO >C10-C28*	<10.0	10.0	10/10/2023	ND	198	98.9	200	1.13	
EXT DRO >C28-C36	<10.0	10.0	10/10/2023	ND					

Surrogate: 1-Chlorooctane 99.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/09/2023
 Reported: 10/12/2023
 Project Name: SESR Q CTB
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 10/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 21 SURFACE (H235498-21)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/11/2023	ND	2.01	101	2.00	1.36		
Toluene*	0.284	0.050	10/11/2023	ND	1.95	97.5	2.00	0.706		
Ethylbenzene*	<0.050	0.050	10/11/2023	ND	2.02	101	2.00	0.840		
Total Xylenes*	<0.150	0.150	10/11/2023	ND	5.95	99.1	6.00	1.16		
Total BTEx	<0.300	0.300	10/11/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	688	16.0	10/11/2023	ND	432	108	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	10/10/2023	ND	197	98.6	200	2.85	
DRO >C10-C28*	<10.0	10.0	10/10/2023	ND	198	98.9	200	1.13	
EXT DRO >C28-C36	<10.0	10.0	10/10/2023	ND					

Surrogate: 1-Chlorooctane 94.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/09/2023
 Reported: 10/12/2023
 Project Name: SESR Q CTB
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 10/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 22 SURFACE (H235498-22)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2023	ND	2.01	101	2.00	1.36	
Toluene*	0.128	0.050	10/11/2023	ND	1.95	97.5	2.00	0.706	
Ethylbenzene*	<0.050	0.050	10/11/2023	ND	2.02	101	2.00	0.840	
Total Xylenes*	<0.150	0.150	10/11/2023	ND	5.95	99.1	6.00	1.16	
Total BTX	<0.300	0.300	10/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	10/11/2023	ND	432	108	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	10/10/2023	ND	197	98.6	200	2.85	
DRO >C10-C28*	<10.0	10.0	10/10/2023	ND	198	98.9	200	1.13	
EXT DRO >C28-C36	<10.0	10.0	10/10/2023	ND					

Surrogate: 1-Chlorooctane 88.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/09/2023
 Reported: 10/12/2023
 Project Name: SESR Q CTB
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 10/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 23 SURFACE (H235498-23)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2023	ND	2.20	110	2.00	2.58	
Toluene*	0.291	0.050	10/10/2023	ND	2.06	103	2.00	1.65	
Ethylbenzene*	<0.050	0.050	10/10/2023	ND	2.12	106	2.00	1.69	
Total Xylenes*	<0.150	0.150	10/10/2023	ND	6.13	102	6.00	1.71	
Total BTEX	<0.300	0.300	10/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	10/11/2023	ND	432	108	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	10/10/2023	ND	197	98.6	200	2.85	
DRO >C10-C28*	<10.0	10.0	10/10/2023	ND	198	98.9	200	1.13	
EXT DRO >C28-C36	<10.0	10.0	10/10/2023	ND					

Surrogate: 1-Chlorooctane 92.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/09/2023
 Reported: 10/12/2023
 Project Name: SESR Q CTB
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 10/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 24 @ 6" (H235498-24)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2023	ND	2.20	110	2.00	2.58	
Toluene*	0.162	0.050	10/10/2023	ND	2.06	103	2.00	1.65	
Ethylbenzene*	<0.050	0.050	10/10/2023	ND	2.12	106	2.00	1.69	
Total Xylenes*	<0.150	0.150	10/10/2023	ND	6.13	102	6.00	1.71	
Total BTX	<0.300	0.300	10/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/11/2023	ND	432	108	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	10/10/2023	ND	214	107	200	1.01	
DRO >C10-C28*	<10.0	10.0	10/10/2023	ND	226	113	200	2.19	
EXT DRO >C28-C36	<10.0	10.0	10/10/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/09/2023
 Reported: 10/12/2023
 Project Name: SESR Q CTB
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 10/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 25 @ 1' (H235498-25)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2023	ND	2.20	110	2.00	2.58	
Toluene*	0.196	0.050	10/10/2023	ND	2.06	103	2.00	1.65	
Ethylbenzene*	<0.050	0.050	10/10/2023	ND	2.12	106	2.00	1.69	
Total Xylenes*	<0.150	0.150	10/10/2023	ND	6.13	102	6.00	1.71	
Total BTEX	<0.300	0.300	10/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	10/11/2023	ND	432	108	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	10/10/2023	ND	214	107	200	1.01	
DRO >C10-C28*	<10.0	10.0	10/10/2023	ND	226	113	200	2.19	
EXT DRO >C28-C36	<10.0	10.0	10/10/2023	ND					

Surrogate: 1-Chlorooctane 99.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/09/2023
 Reported: 10/12/2023
 Project Name: SESR Q CTB
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 10/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 26 @ 1' (H235498-26)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2023	ND	2.20	110	2.00	2.58	
Toluene*	0.273	0.050	10/10/2023	ND	2.06	103	2.00	1.65	
Ethylbenzene*	<0.050	0.050	10/10/2023	ND	2.12	106	2.00	1.69	
Total Xylenes*	<0.150	0.150	10/10/2023	ND	6.13	102	6.00	1.71	
Total BTEX	<0.300	0.300	10/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	10/11/2023	ND	432	108	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	10/10/2023	ND	214	107	200	1.01	
DRO >C10-C28*	<10.0	10.0	10/10/2023	ND	226	113	200	2.19	
EXT DRO >C28-C36	<10.0	10.0	10/10/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/09/2023
 Reported: 10/12/2023
 Project Name: SESR Q CTB
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 10/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 27 @ 1' (H235498-27)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/10/2023	ND	2.20	110	2.00	2.58		
Toluene*	0.145	0.050	10/10/2023	ND	2.06	103	2.00	1.65		
Ethylbenzene*	<0.050	0.050	10/10/2023	ND	2.12	106	2.00	1.69		
Total Xylenes*	<0.150	0.150	10/10/2023	ND	6.13	102	6.00	1.71		
Total BTX	<0.300	0.300	10/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	10/11/2023	ND	432	108	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	10/10/2023	ND	214	107	200	1.01	
DRO >C10-C28*	<10.0	10.0	10/10/2023	ND	226	113	200	2.19	
EXT DRO >C28-C36	<10.0	10.0	10/10/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/09/2023
 Reported: 10/12/2023
 Project Name: SESR Q CTB
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 10/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 28 @ 1' (H235498-28)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/10/2023	ND	2.20	110	2.00	2.58		
Toluene*	0.193	0.050	10/10/2023	ND	2.06	103	2.00	1.65		
Ethylbenzene*	<0.050	0.050	10/10/2023	ND	2.12	106	2.00	1.69		
Total Xylenes*	<0.150	0.150	10/10/2023	ND	6.13	102	6.00	1.71		
Total BTEX	<0.300	0.300	10/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	10/11/2023	ND	432	108	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	10/10/2023	ND	214	107	200	1.01	
DRO >C10-C28*	<10.0	10.0	10/10/2023	ND	226	113	200	2.19	
EXT DRO >C28-C36	<10.0	10.0	10/10/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 133 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/09/2023
 Reported: 10/12/2023
 Project Name: SESR Q CTB
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 10/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 29 @ 1' (H235498-29)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2023	ND	2.20	110	2.00	2.58	
Toluene*	0.154	0.050	10/10/2023	ND	2.06	103	2.00	1.65	
Ethylbenzene*	<0.050	0.050	10/10/2023	ND	2.12	106	2.00	1.69	
Total Xylenes*	<0.150	0.150	10/10/2023	ND	6.13	102	6.00	1.71	
Total BTEX	<0.300	0.300	10/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	10/11/2023	ND	432	108	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	10/10/2023	ND	214	107	200	1.01	
DRO >C10-C28*	<10.0	10.0	10/10/2023	ND	226	113	200	2.19	
EXT DRO >C28-C36	<10.0	10.0	10/10/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 134 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/09/2023
 Reported: 10/12/2023
 Project Name: SESR Q CTB
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 10/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 30 @ 1' (H235498-30)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2023	ND	2.20	110	2.00	2.58	
Toluene*	0.173	0.050	10/10/2023	ND	2.06	103	2.00	1.65	
Ethylbenzene*	<0.050	0.050	10/10/2023	ND	2.12	106	2.00	1.69	
Total Xylenes*	<0.150	0.150	10/10/2023	ND	6.13	102	6.00	1.71	
Total BTX	<0.300	0.300	10/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	10/11/2023	ND	464	116	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	10/10/2023	ND	214	107	200	1.01	
DRO >C10-C28*	<10.0	10.0	10/10/2023	ND	226	113	200	2.19	
EXT DRO >C28-C36	<10.0	10.0	10/10/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

- 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

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Apache</u>				BILL TO				ANALYSIS REQUEST														
Project Manager: <u>B. Baker</u>				P.O. #:																		
Address:				Company:																		
City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88240</u>				Attn:																		
Phone #: Fax #:				Address:																		
Project #: Project Owner:				City:																		
Project Name:				State: Zip:																		
Project Location: <u>SESRO CTB</u>				Phone #:																		
Sampler Name: <u>Jose Quezada</u>				Fax #:																		
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING														
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME								
<u>H235498</u>																						
1	B1 surface	C	1										10/9	2:00								
2	B2 surface	C	1											2:02								
3	B3 surface	C	1											2:04								
4	B4 surface	C	1											2:06								
5	B5 surface	C	1											2:08								
6	B6 surface	C	1											2:10								
7	B7 surface	C	1											2:12								
8	B8 surface	C	1											2:14								
9	B9 surface	C	1											2:16								
10	B10 surface	C	1											2:18								

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Relinquished By: <u>Jose Quezada</u>	Date: <u>10/9/23</u>	Received By: <u>Juanita Aldrete</u>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Time: <u>1:33pm</u>			All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS: <u>E-Mail Results</u>
Time:			
Delivered By: (Circle One)	Observed Temp. °C <u>0.1</u>	Sample Condition <u>Cool</u> <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	Turnaround Time: <u>Standard</u> <input checked="" type="checkbox"/> <u>Rush</u> <input type="checkbox"/>
Sampler - UPS - Bus - Other:	Corrected Temp. °C	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No	Bacteria (only) Sample Condition <input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Observed Temp. °C
		CHECKED BY: (Initials) <u>JO</u>	Thermometer ID <u>#140</u> <u>C</u> <u>10/9/23</u>
			Correction Factor <u>-0.6°C</u>
			<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C

FORM-006 R 3.3 07/18/22

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinalabsnm.com



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Apache</u>		BILL TO		ANALYSIS REQUEST									
Project Manager: <u>B. Baker</u>		P.O. #:											
Address:		Company:											
City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88240</u>		Attn:											
Phone #: Fax #:		Address:											
Project #: Project Owner:		City:											
Project Name:		State: Zip:											
Project Location: <u>SESRQ CTB</u>		Phone #:											
Sampler Name: <u>JSC Quereza</u>		Fax #:											
FOR LAB USE ONLY													
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX				PRESERV.		SAMPLING		<u>CL</u> <u>BTEX</u> <u>EXTTPH</u>	
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL		OTHER:
<u>H235498</u>													
<u>11</u>	<u>B11 surface</u>	<u>(C)</u>	<u>1</u>										
<u>12</u>	<u>B12 surface</u>	<u>(C)</u>	<u>1</u>										
<u>13</u>	<u>B13 surface</u>	<u>(C)</u>	<u>1</u>										
<u>14</u>	<u>B14 surface</u>	<u>(C)</u>	<u>1</u>										
<u>15</u>	<u>B15 surface</u>	<u>(C)</u>	<u>1</u>										
<u>16</u>	<u>B16 surface</u>	<u>(C)</u>	<u>1</u>										
<u>17</u>	<u>B17 surface</u>	<u>(C)</u>	<u>1</u>										
<u>18</u>	<u>B18 surface</u>	<u>(C)</u>	<u>1</u>										
<u>19</u>	<u>B19 surface</u>	<u>(C)</u>	<u>1</u>										
<u>20</u>	<u>B20 surface</u>	<u>(C)</u>	<u>1</u>										

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Relinquished By: <u>JSC Quereza</u>	Date: <u>10/12/23</u>	Received By: <u>Shawana Riddick</u>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Time: <u>4:33pm</u>			All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS: <u>E-Mail Results</u>
Time:			
Delivered By: (Circle One)	Observed Temp. °C <u>0.1</u>	Sample Condition	CHECKED BY: (Initials) <u>JO</u>
Sampler - UPS - Bus - Other:	Corrected Temp. °C	<input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	Turnaround Time: <u>Standard</u> <input checked="" type="checkbox"/> <u>Rush</u> <input type="checkbox"/> Thermometer ID: <u>#140</u> Correction Factor: <u>-0.6°C</u>
			Bacteria (only) Sample Condition <input type="checkbox"/> Cool <input type="checkbox"/> Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Apache</u>				BILL TO				ANALYSIS REQUEST										
Project Manager: <u>B. Baker</u>				P.O. #:														
Address:				Company:														
City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88240</u>				Attn:														
Phone #: Fax #:				Address:														
Project #: Project Owner:				City:														
Project Name:				State: Zip:														
Project Location: <u>SESRO CTB</u>				Phone #:														
Sampler Name: <u>Jose Quezada</u>				Fax #:														
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING										
Lab I.D.	Sample I.D.	(G)RAB OR (C)OWP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE/COOL	OTHER:	DATE	TIME				
<u>H235498</u>																		
<u>21</u>	<u>B21 surface</u>	<u>C</u>	<u>1</u>										<u>1/9</u>	<u>2:40</u>				
<u>22</u>	<u>B22 surface</u>	<u>C</u>	<u>1</u>											<u>2:42</u>				
<u>23</u>	<u>B23 surface</u>	<u>C</u>	<u>1</u>											<u>2:44</u>				
<u>24</u>	<u>B24 @ 6"</u>	<u>C</u>	<u>1</u>											<u>2:46</u>				
<u>25</u>	<u>B25 @ 1'</u>	<u>C</u>	<u>1</u>											<u>3:12</u>				
<u>26</u>	<u>B26 @ 1'</u>	<u>C</u>	<u>1</u>											<u>3:14</u>				
<u>27</u>	<u>B27 @ 1'</u>	<u>C</u>	<u>1</u>											<u>3:16</u>				
<u>28</u>	<u>B28 @ 1'</u>	<u>C</u>	<u>1</u>											<u>3:18</u>				
<u>29</u>	<u>B29 @ 1'</u>	<u>C</u>	<u>1</u>											<u>3:20</u>				
<u>30</u>	<u>B30 @ 1'</u>	<u>C</u>	<u>1</u>											<u>3:22</u>				

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Relinquished By: <u>Jose Quezada</u>	Date: <u>1/9/23</u>	Received By: <u>Amara P. Blake</u>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
	Time: <u>4:53pm</u>		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS: <u>E-Mail Results</u>
	Time:		
Delivered By: (Circle One)	Observed Temp. °C <u>0.1</u>	Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	Turnaround Time: <u>Standard</u> <input checked="" type="checkbox"/> <u>Rush</u> <input type="checkbox"/>
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Checked By: (Initials) <u>yo</u>	Bacteria (only) Sample Condition Cool <input type="checkbox"/> Intact <input type="checkbox"/> Observed Temp. °C
			Thermometer ID # <u>413-H140</u> <u>10/19/23</u>
			Correction Factor <u>-0.6°C</u> <u>C</u>
			<input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C

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

October 13, 2023

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: SESR Q CTB

Enclosed are the results of analyses for samples received by the laboratory on 10/10/23 16:02.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/10/2023
 Reported: 10/13/2023
 Project Name: SESR Q CTB
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 10/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B 31 @ 1' (H235520-01)

BTX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/12/2023	ND	2.00	100	2.00	0.193	
Toluene*	<0.050	0.050	10/12/2023	ND	2.05	103	2.00	0.398	
Ethylbenzene*	<0.050	0.050	10/12/2023	ND	2.03	102	2.00	3.99	
Total Xylenes*	<0.150	0.150	10/12/2023	ND	6.13	102	6.00	5.58	
Total BTX	<0.300	0.300	10/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 71.5-134

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	10/11/2023	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	10/11/2023	ND	211	106	200	1.04	
DRO >C10-C28*	<10.0	10.0	10/11/2023	ND	226	113	200	2.57	
EXT DRO >C28-C36	<10.0	10.0	10/11/2023	ND					

Surrogate: 1-Chlorooctane 99.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/10/2023
 Reported: 10/13/2023
 Project Name: SESR Q CTB
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 10/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B 32 @ 1' (H235520-02)

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2023	ND	2.00	100	2.00	0.193	
Toluene*	<0.050	0.050	10/11/2023	ND	2.05	103	2.00	0.398	
Ethylbenzene*	<0.050	0.050	10/11/2023	ND	2.03	102	2.00	3.99	
Total Xylenes*	<0.150	0.150	10/11/2023	ND	6.13	102	6.00	5.58	
Total BTEX	<0.300	0.300	10/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	10/11/2023	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	10/11/2023	ND	211	106	200	1.04	
DRO >C10-C28*	<10.0	10.0	10/11/2023	ND	226	113	200	2.57	
EXT DRO >C28-C36	<10.0	10.0	10/11/2023	ND					

Surrogate: 1-Chlorooctane 96.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/10/2023
 Reported: 10/13/2023
 Project Name: SESR Q CTB
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 10/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B 33 @ 1' (H235520-03)

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	10/11/2023	ND	2.00	100	2.00	0.193	
Toluene*	0.051	0.050	10/11/2023	ND	2.05	103	2.00	0.398	
Ethylbenzene*	<0.050	0.050	10/11/2023	ND	2.03	102	2.00	3.99	
Total Xylenes*	<0.150	0.150	10/11/2023	ND	6.13	102	6.00	5.58	
Total BTEX	<0.300	0.300	10/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	10/11/2023	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	10/11/2023	ND	199	99.5	200	2.90	
DRO >C10-C28*	<10.0	10.0	10/11/2023	ND	195	97.7	200	1.27	
EXT DRO >C28-C36	<10.0	10.0	10/11/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/10/2023
 Reported: 10/13/2023
 Project Name: SESR Q CTB
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 10/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B 34 @ 1' (H235520-04)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/12/2023	ND	2.00	100	2.00	0.193	
Toluene*	<0.050	0.050	10/12/2023	ND	2.05	103	2.00	0.398	
Ethylbenzene*	<0.050	0.050	10/12/2023	ND	2.03	102	2.00	3.99	
Total Xylenes*	<0.150	0.150	10/12/2023	ND	6.13	102	6.00	5.58	
Total BTEX	<0.300	0.300	10/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	10/11/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2023	ND	199	99.5	200	2.90	
DRO >C10-C28*	<10.0	10.0	10/11/2023	ND	195	97.7	200	1.27	
EXT DRO >C28-C36	<10.0	10.0	10/11/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/10/2023
 Reported: 10/13/2023
 Project Name: SESR Q CTB
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 10/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B 35 @ 1' (H235520-05)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/12/2023	ND	2.00	100	2.00	0.193	
Toluene*	<0.050	0.050	10/12/2023	ND	2.05	103	2.00	0.398	
Ethylbenzene*	<0.050	0.050	10/12/2023	ND	2.03	102	2.00	3.99	
Total Xylenes*	<0.150	0.150	10/12/2023	ND	6.13	102	6.00	5.58	
Total BTEX	<0.300	0.300	10/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	10/11/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2023	ND	199	99.5	200	2.90	
DRO >C10-C28*	<10.0	10.0	10/11/2023	ND	195	97.7	200	1.27	
EXT DRO >C28-C36	<10.0	10.0	10/11/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/10/2023
 Reported: 10/13/2023
 Project Name: SESR Q CTB
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 10/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B 36 @ 1' (H235520-06)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2023	ND	2.00	100	2.00	0.193	
Toluene*	<0.050	0.050	10/11/2023	ND	2.05	103	2.00	0.398	
Ethylbenzene*	<0.050	0.050	10/11/2023	ND	2.03	102	2.00	3.99	
Total Xylenes*	<0.150	0.150	10/11/2023	ND	6.13	102	6.00	5.58	
Total BTEX	<0.300	0.300	10/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	10/11/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2023	ND	199	99.5	200	2.90	
DRO >C10-C28*	<10.0	10.0	10/11/2023	ND	195	97.7	200	1.27	
EXT DRO >C28-C36	<10.0	10.0	10/11/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/10/2023
 Reported: 10/13/2023
 Project Name: SESR Q CTB
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 10/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B 37 @ 1' (H235520-07)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/12/2023	ND	2.00	100	2.00	0.193	
Toluene*	<0.050	0.050	10/12/2023	ND	2.05	103	2.00	0.398	
Ethylbenzene*	<0.050	0.050	10/12/2023	ND	2.03	102	2.00	3.99	
Total Xylenes*	<0.150	0.150	10/12/2023	ND	6.13	102	6.00	5.58	
Total BTEX	<0.300	0.300	10/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	10/11/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2023	ND	199	99.5	200	2.90	
DRO >C10-C28*	<10.0	10.0	10/11/2023	ND	195	97.7	200	1.27	
EXT DRO >C28-C36	<10.0	10.0	10/11/2023	ND					

Surrogate: 1-Chlorooctane 95.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/10/2023
 Reported: 10/13/2023
 Project Name: SESR Q CTB
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 10/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B 38 @ 1' (H235520-08)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2023	ND	2.00	100	2.00	0.193	
Toluene*	<0.050	0.050	10/11/2023	ND	2.05	103	2.00	0.398	
Ethylbenzene*	<0.050	0.050	10/11/2023	ND	2.03	102	2.00	3.99	
Total Xylenes*	<0.150	0.150	10/11/2023	ND	6.13	102	6.00	5.58	
Total BTEX	<0.300	0.300	10/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	10/11/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2023	ND	199	99.5	200	2.90	
DRO >C10-C28*	<10.0	10.0	10/11/2023	ND	195	97.7	200	1.27	
EXT DRO >C28-C36	<10.0	10.0	10/11/2023	ND					

Surrogate: 1-Chlorooctane 90.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/10/2023
 Reported: 10/13/2023
 Project Name: SESR Q CTB
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 10/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B 39 @ 1' (H235520-09)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2023	ND	2.00	100	2.00	0.193	
Toluene*	<0.050	0.050	10/11/2023	ND	2.05	103	2.00	0.398	
Ethylbenzene*	<0.050	0.050	10/11/2023	ND	2.03	102	2.00	3.99	
Total Xylenes*	<0.150	0.150	10/11/2023	ND	6.13	102	6.00	5.58	
Total BTEX	<0.300	0.300	10/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	10/11/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2023	ND	199	99.5	200	2.90	
DRO >C10-C28*	<10.0	10.0	10/11/2023	ND	195	97.7	200	1.27	
EXT DRO >C28-C36	<10.0	10.0	10/11/2023	ND					

Surrogate: 1-Chlorooctane 99.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/10/2023
 Reported: 10/13/2023
 Project Name: SESR Q CTB
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 10/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B 40 @ 6" (H235520-10)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/11/2023	ND	2.00	100	2.00	0.193		
Toluene*	<0.050	0.050	10/11/2023	ND	2.05	103	2.00	0.398		
Ethylbenzene*	<0.050	0.050	10/11/2023	ND	2.03	102	2.00	3.99		
Total Xylenes*	<0.150	0.150	10/11/2023	ND	6.13	102	6.00	5.58		
Total BTEX	<0.300	0.300	10/11/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	10/11/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2023	ND	199	99.5	200	2.90	
DRO >C10-C28*	16.2	10.0	10/11/2023	ND	195	97.7	200	1.27	
EXT DRO >C28-C36	<10.0	10.0	10/11/2023	ND					

Surrogate: 1-Chlorooctane 98.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/10/2023
 Reported: 10/13/2023
 Project Name: SESR Q CTB
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 10/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B 41 @ 1' (H235520-11)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/12/2023	ND	2.00	100	2.00	0.193	
Toluene*	0.064	0.050	10/12/2023	ND	2.05	103	2.00	0.398	
Ethylbenzene*	<0.050	0.050	10/12/2023	ND	2.03	102	2.00	3.99	
Total Xylenes*	<0.150	0.150	10/12/2023	ND	6.13	102	6.00	5.58	
Total BTEX	<0.300	0.300	10/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/11/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2023	ND	199	99.5	200	2.90	
DRO >C10-C28*	20.4	10.0	10/11/2023	ND	195	97.7	200	1.27	
EXT DRO >C28-C36	13.9	10.0	10/11/2023	ND					

Surrogate: 1-Chlorooctane 83.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/10/2023
 Reported: 10/13/2023
 Project Name: SESR Q CTB
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 10/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B 42 @ 1' (H235520-12)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2023	ND	2.00	100	2.00	0.193	
Toluene*	<0.050	0.050	10/11/2023	ND	2.05	103	2.00	0.398	
Ethylbenzene*	<0.050	0.050	10/11/2023	ND	2.03	102	2.00	3.99	
Total Xylenes*	<0.150	0.150	10/11/2023	ND	6.13	102	6.00	5.58	
Total BTEX	<0.300	0.300	10/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/11/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2023	ND	199	99.5	200	2.90	
DRO >C10-C28*	<10.0	10.0	10/11/2023	ND	195	97.7	200	1.27	
EXT DRO >C28-C36	<10.0	10.0	10/11/2023	ND					

Surrogate: 1-Chlorooctane 92.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/10/2023
 Reported: 10/13/2023
 Project Name: SESR Q CTB
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 10/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: W 1 BGS 0-6" (H235520-13)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/12/2023	ND	2.00	100	2.00	0.193	
Toluene*	<0.050	0.050	10/12/2023	ND	2.05	103	2.00	0.398	
Ethylbenzene*	<0.050	0.050	10/12/2023	ND	2.03	102	2.00	3.99	
Total Xylenes*	<0.150	0.150	10/12/2023	ND	6.13	102	6.00	5.58	
Total BTEx	<0.300	0.300	10/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/11/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2023	ND	199	99.5	200	2.90	
DRO >C10-C28*	<10.0	10.0	10/11/2023	ND	195	97.7	200	1.27	
EXT DRO >C28-C36	<10.0	10.0	10/11/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/10/2023
 Reported: 10/13/2023
 Project Name: SESR Q CTB
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 10/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: W 2 BGS 0-6" (H235520-14)

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/12/2023	ND	2.00	100	2.00	0.193	
Toluene*	<0.050	0.050	10/12/2023	ND	2.05	103	2.00	0.398	
Ethylbenzene*	<0.050	0.050	10/12/2023	ND	2.03	102	2.00	3.99	
Total Xylenes*	<0.150	0.150	10/12/2023	ND	6.13	102	6.00	5.58	
Total BTEX	<0.300	0.300	10/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	10/11/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2023	ND	199	99.5	200	2.90	
DRO >C10-C28*	<10.0	10.0	10/11/2023	ND	195	97.7	200	1.27	
EXT DRO >C28-C36	<10.0	10.0	10/11/2023	ND					

Surrogate: 1-Chlorooctane 99.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/10/2023
 Reported: 10/13/2023
 Project Name: SESR Q CTB
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 10/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: W 3 BGS 0-6" (H235520-15)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/12/2023	ND	2.00	100	2.00	0.193	
Toluene*	<0.050	0.050	10/12/2023	ND	2.05	103	2.00	0.398	
Ethylbenzene*	<0.050	0.050	10/12/2023	ND	2.03	102	2.00	3.99	
Total Xylenes*	<0.150	0.150	10/12/2023	ND	6.13	102	6.00	5.58	
Total BTEX	<0.300	0.300	10/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	10/11/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2023	ND	199	99.5	200	2.90	
DRO >C10-C28*	<10.0	10.0	10/11/2023	ND	195	97.7	200	1.27	
EXT DRO >C28-C36	<10.0	10.0	10/11/2023	ND					

Surrogate: 1-Chlorooctane 97.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/10/2023
 Reported: 10/13/2023
 Project Name: SESR Q CTB
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 10/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: W 4 BGS 0-6" (H235520-16)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/12/2023	ND	2.00	100	2.00	0.193	
Toluene*	<0.050	0.050	10/12/2023	ND	2.05	103	2.00	0.398	
Ethylbenzene*	<0.050	0.050	10/12/2023	ND	2.03	102	2.00	3.99	
Total Xylenes*	<0.150	0.150	10/12/2023	ND	6.13	102	6.00	5.58	
Total BTEX	<0.300	0.300	10/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	10/11/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2023	ND	199	99.5	200	2.90	
DRO >C10-C28*	<10.0	10.0	10/11/2023	ND	195	97.7	200	1.27	
EXT DRO >C28-C36	<10.0	10.0	10/11/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/10/2023
 Reported: 10/13/2023
 Project Name: SESR Q CTB
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 10/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: W 5 BGS 0-6" (H235520-17)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/12/2023	ND	2.00	100	2.00	0.193	
Toluene*	<0.050	0.050	10/12/2023	ND	2.05	103	2.00	0.398	
Ethylbenzene*	<0.050	0.050	10/12/2023	ND	2.03	102	2.00	3.99	
Total Xylenes*	<0.150	0.150	10/12/2023	ND	6.13	102	6.00	5.58	
Total BTEx	<0.300	0.300	10/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	10/11/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2023	ND	199	99.5	200	2.90	
DRO >C10-C28*	<10.0	10.0	10/11/2023	ND	195	97.7	200	1.27	
EXT DRO >C28-C36	<10.0	10.0	10/11/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/10/2023
 Reported: 10/13/2023
 Project Name: SESR Q CTB
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 10/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: W 6 BGS 0-1' (H235520-18)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/12/2023	ND	1.97	98.7	2.00	2.97	
Toluene*	<0.050	0.050	10/12/2023	ND	1.96	98.1	2.00	1.84	
Ethylbenzene*	<0.050	0.050	10/12/2023	ND	2.05	102	2.00	1.93	
Total Xylenes*	<0.150	0.150	10/12/2023	ND	6.02	100	6.00	1.42	
Total BTX	<0.300	0.300	10/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/11/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2023	ND	199	99.5	200	2.90	
DRO >C10-C28*	<10.0	10.0	10/11/2023	ND	195	97.7	200	1.27	
EXT DRO >C28-C36	<10.0	10.0	10/11/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/10/2023
 Reported: 10/13/2023
 Project Name: SESR Q CTB
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 10/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: W 7 BGS 0-1' (H235520-19)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/12/2023	ND	1.97	98.7	2.00	2.97	
Toluene*	0.063	0.050	10/12/2023	ND	1.96	98.1	2.00	1.84	
Ethylbenzene*	<0.050	0.050	10/12/2023	ND	2.05	102	2.00	1.93	
Total Xylenes*	<0.150	0.150	10/12/2023	ND	6.02	100	6.00	1.42	
Total BTEX	<0.300	0.300	10/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	10/11/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2023	ND	199	99.5	200	2.90	
DRO >C10-C28*	<10.0	10.0	10/11/2023	ND	195	97.7	200	1.27	
EXT DRO >C28-C36	<10.0	10.0	10/11/2023	ND					

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.2 % 49.1-148

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Analytical Results For:

APACHE CORP - HOBBS
 BRUCE BAKER
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 HOBBS NM, 88240
 Fax To: (575) 393-2432

Received: 10/10/2023
 Reported: 10/13/2023
 Project Name: SESR Q CTB
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 10/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: W 8 BGS 0-6" (H235520-20)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2023	ND	1.97	98.7	2.00	2.97	
Toluene*	<0.050	0.050	10/11/2023	ND	1.96	98.1	2.00	1.84	
Ethylbenzene*	<0.050	0.050	10/11/2023	ND	2.05	102	2.00	1.93	
Total Xylenes*	<0.150	0.150	10/11/2023	ND	6.02	100	6.00	1.42	
Total BTEx	<0.300	0.300	10/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	10/11/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2023	ND	199	99.5	200	2.90	
DRO >C10-C28*	<10.0	10.0	10/11/2023	ND	195	97.7	200	1.27	
EXT DRO >C28-C36	<10.0	10.0	10/11/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

FOR LAB USE ONLY		Lab I.D.		Sample I.D.		MATRIX		PRESERV.		SAMPLING		DATE		TIME		C1		BTEX		EXT TPH	
1	B31 @ 1'	C	1										10/10	8:42 AM							
2	B32 @ 1'	C	1											8:44 AM							
3	B33 @ 1'	C	1											8:46 AM							
4	B34 @ 1'	C	1											8:48 AM							
5	B35 @ 1'	C	1											8:50 AM							
6	B36 @ 1'	C	1											8:52							
7	B37 @ 1'	C	1											8:54							
8	B38 @ 1'	C	1											8:56							
9	B39 @ 1'	C	1											8:58							
10	B 40 @ 1'	C	1											11:30							

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Relinquished By:		Date: 10/10/23	Received By:	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Time: 4:03				All Results are emailed. Please provide Email address:
Relinquished By:		Date: 10-10-23	Received By:	REMARKS: E-Mail Results
Time: 10:02				
Delivered By: (Circle One)	Observed Temp. °C -1.1°C	Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	CHECKED BY: (Initials) 	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>
Sampler - UPS - Bus - Other:	Corrected Temp. °C	<input type="checkbox"/> Yes <input type="checkbox"/> No		Thermometer ID #113 Correction Factor -0.6°C
		<input type="checkbox"/> Yes <input type="checkbox"/> No		Bacteria (only) Sample Condition Cool <input type="checkbox"/> Intact <input type="checkbox"/> Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C

~~FORM-006 R 3.3 07/18/22~~

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(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Apache</u>				BILL TO				ANALYSIS REQUEST													
Project Manager: <u>B. Baker</u>				P.O. #:																	
Address:				Company:																	
City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88240</u>				Attn:																	
Phone #: Fax #:				Address:																	
Project #: Project Owner:				City:																	
Project Name:				State: Zip:																	
Project Location: <u>SESRQ CTB</u>				Phone #:																	
Sampler Name: <u>Sgt. Quintero</u>				Fax #:																	
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING													
Lab I.D.	Sample I.D.	(GIRAB OR COMP.)	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME							
11	B41e1'	C	1										10/10	1:20							
12	B42e1'	C	1											1:22							
13	w1 BGS 0-6"	C	1											10:36							
14	w2 BGS 0-6"	C	1											10:38							
15	w3 BGS 0-6"	C	1											10:40							
16	w4 BGS 0-6"	C	1											10:42							
17	w5 BGS 0-6"	C	1											10:44							
18	w6 BGS 0-1'	C	1											10:46							
19	w7 BGS 0-1'	C	1											10:48							
20	w8 BGS 0-6"	C	1											10:50							

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Relinquished By: <u>Sgt. Quintero</u>		Date: <u>10/10/23</u>	Received By: <u>[Signature]</u>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Relinquished By:		Date: <u>10-10-23</u>	Received By:		All Results are emailed. Please provide Email address:	
Delivered By: (Circle One)		Observed Temp. °C: <u>7.12</u>	Sample Condition: <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact		REMARKS: <u>8-MG:1 Results</u>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C:	CHECKED BY: (Initials) <u>[Signature]</u>		Turnaround Time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush	
					Thermometer ID: <u>#113</u>	
					Correction Factor: <u>0.6°C</u>	
					Bacteria (only) Sample Condition: <input type="checkbox"/> Cool <input type="checkbox"/> Intact	
					Observed Temp. °C: <input type="checkbox"/> Yes <input type="checkbox"/> No	
					Corrected Temp. °C: <input type="checkbox"/> Yes <input type="checkbox"/> No	

FORM-006 R 3.3 07/18/22

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**Revegetation
And
Noxious Weed Plan**

Revegetation Plan:

All the disturbed area in the pasture will be properly prepared and reseeded with NMSLO Sandy Loam seed mixture. The disturbed area will be monitored to ensure successful revegetation is achieved. If revegetation is not successful after a couple of growing seasons the site will be reseeded.

Noxious Weed Plan:

Apache Corporation will treat noxious weeds if they become established within the area of remediation. Weed control will be maintained on the disturbed land where noxious weeds exist both prior to remediation and restoration. Apache Corporation will consult with the Authorized Officer for acceptable weed control methods.

District I
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Phone:(575) 393-6161 Fax:(575) 393-0720
District II
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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

QUESTIONS

Action 376595

QUESTIONS

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID: 873
	Action Number: 376595
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2234836277
Incident Name	NAPP2234836277 SOUTH EUNICE SEVEN RIVERS QUEEN CTB @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2224168554] SO Eunice Seven Rivers

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	SOUTH EUNICE SEVEN RIVERS QUEEN CTB
Date Release Discovered	12/02/2022
Surface Owner	State

Incident Details	
<i>Please answer all the questions in this group.</i>	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Cause: Corrosion Water Tank Crude Oil Released: 1 BBL Recovered: 0 BBL Lost: 1 BBL.
Produced Water Released (bbls) Details	Cause: Corrosion Water Tank Produced Water Released: 74 BBL Recovered: 0 BBL Lost: 74 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 376595

QUESTIONS (continued)

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID: 873
	Action Number: 376595
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Larry Baker Title: Sr Environmental Tech Email: larry.baker@apachecorp.com Date: 08/22/2024
--	--

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Oil Conservation Division
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QUESTIONS, Page 3

Action 376595

QUESTIONS (continued)

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID: 873
	Action Number: 376595
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 500 and 1000 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	20400
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	8921
GRO+DRO (EPA SW-846 Method 8015M)	7821
BTEX (EPA SW-846 Method 8021B or 8260B)	17.1
Benzene (EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	10/01/2023
On what date will (or did) the final sampling or liner inspection occur	10/09/2023
On what date will (or was) the remediation complete(d)	11/01/2023
What is the estimated surface area (in square feet) that will be reclaimed	7600
What is the estimated volume (in cubic yards) that will be reclaimed	396
What is the estimated surface area (in square feet) that will be remediated	7800
What is the estimated volume (in cubic yards) that will be remediated	396

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

QUESTIONS, Page 4

Action 376595

QUESTIONS (continued)

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID:	873
	Action Number:	376595
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Remediation Plan (continued)**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	SUNDANCE SERVICES, INC [fKJ1600527371]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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.

I hereby agree and sign off to the above statement	Name: Larry Baker Title: Sr Environmental Tech Email: larry.baker@apachecorp.com Date: 08/22/2024
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The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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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

QUESTIONS, Page 5

Action 376595

QUESTIONS (continued)

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID: 873
	Action Number: 376595
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 376595

QUESTIONS (continued)

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID:
	873
	Action Number:
	376595
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	376610
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/09/2023
What was the (estimated) number of samples that were to be gathered	50
What was the sampling surface area in square feet	16800

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	7800
What was the total volume (cubic yards) remediated	396
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	7600
What was the total volume (in cubic yards) reclaimed	396
Summarize any additional remediation activities not included by answers (above)	The release was remediated in accordance with the OCD approved remediation plan.

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 (in .pdf format) 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.

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.

I hereby agree and sign off to the above statement	Name: Larry Baker Title: Sr Environmental Tech Email: larry.baker@apachecorp.com Date: 08/22/2024
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QUESTIONS, Page 7

Action 376595

QUESTIONS (continued)

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID: 873
	Action Number: 376595
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 376595

CONDITIONS

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID: 873
	Action Number: 376595
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Remediation has met 19.15.29 NMAC requirements. Soil impacts exceeding the reclamation standards have been left in place and are required to meet 19.15.29.13D (1) NMAC once the site is no longer reasonably needed for production or subsequent drilling ops.	10/16/2024