

October 26, 2020

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

RE: 2RP-4316 Cedar Lake Federal CA 901

Mr. Billings,

In compliance with 19.15.29.15(B) NMAC and the agreement submitted by Apache Corporation on November 8, 2018, Apache Corporation is submitting information related to closure for the release occurring July 17, 2017. Apache is respectfully submitting the closure report based on remediation and studies occurring in 2020 that demonstrate the site meeting the requirements of the agency. Unless further information is requested by NMOCD, Apache Corporation considers this release closed.

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

Sincerely,

Larry Baker

Environmental Technician SR.

Apache Corporation

Larry Baker

Attachment: Closure Report Dated October 26, 2020



Closure Report

October 26, 2020

Re: Cedar Lake Federal CA 901

Case # 2RP-4316

On 7/16/2017 a release occurred due to a stuffing box failure. The release (GPS: 32.8533897, -103.8692093) is located east of Loco Hills, New Mexico in unit letter A section 9 township 17S range 31E. It is common knowledge that there is no groundwater in township 17S range 31E.

On 7/21/2017 the release was mapped and samples were collected to a depth of 1 foot. All samples collect were submitted to commercial laboratory for analysis of chloride, TPH, and BTEX. The majority of the pad area of the release was remediated under event 2RP-4990. The samples representing the area of this release in the 2RP-4990 sample map are BFC 10, 11, and 12. Wall samples WC 3, 4, and 5.

On 10/8/2020 final 5 point bottom composite surface samples were collected not to exceed 200 square feet in the remaining pad release flow path not represented in the remediation of 2RP-4990. All samples collected were submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. On 10/15/2020 the pasture area of the release was excavated to a depth of 4 feet. Final 5 point bottom and wall composite samples were collected not to exceed 200 square feet. All samples collected were submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. All excavated soil was hauled to an OCD approved disposal facility. The pasture area was backfilled with clean imported top soil to ground surface and contoured to the surrounding area. The pasture disturbed area was re-seeded with BLM # 2

Apache Corporation has complete remediation to below table one standards for releases greater than 100 feet to groundwater and respectfully request event 2RP-4316 be closed.

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

Submitted by;

Environmental Technician

larry.baker@apachecorp.com

Cell# 432-631-6982

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexic NM OIL CONSERVATION

Energy Minerals and Natural Resources SIA DISTRICT

Form C-141 Revised August 8, 2011

Oil Conservation Division 1220 South St. Francis Dr.

JUL 2 8 2017 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Santa Fe, NM 87505

RECEIVED

Release Notification and Corrective Action												
MABITA	11634	426									Final Report	
Name of Co Address 23				873 IM 88240		Contact Bruce Baker Telephone No. (432) 631-6982						
Facility Nan						Facility Typ		1982	17. 17.			
Surface Ow				Mineral O					ADI No	30.015	1264	
Surface Ow.	nei Teue.	141	-									
I Init I attan	[C+!	Tr 1:-	(D			OF REI		[D 4		015- 2	84126	
Unit Letter A	Section 9	Township 17S	Range 31E	Feet from the 1063		South Line FNL	Feet from the 920'		Vest Line FEL	 	County Eddy	
Latitude 32.8533897 Longitude -103.8692093												
Type of Release	ase Oil an	d Produced W	ater	NAT	UKE	1	Release 5 barrel barrel of oil	ls of	Volume R		1 barrel of oil and 2	
Source of Re	lease Stuff	ing Box				7/16/2017	our of Occurrence	æ	Date and at 10:00 a		covery 7/16/2017	
Was Immedia		×	Yes [No □ Not Re	quired	If YES, To Shelly Tuc	ker (BLM)					
By Whom? I Was a Water							lour_7/17/2017 at			ail		
was a water	course Read		Yes 🗵	No		If YES, Volume Impacting the Watercourse.						
Describe Cau	If a Watercourse was Impacted, Describe Fully.* Describe Cause of Problem and Remedial Action Taken.* Stuffing box packing failed resulting in the loss of fluid. The well was shut in and a vacuum truck was dispatched to pick-up standing fluid.										fluid.	
Describe Area Affected and Cleanup Action Taken.* The majority of the release was contained to the lease pad except for a small area of pasture south of the lease pad. The release was mapped and initial samples collected and set to laboratory for analysis.												
regulations a public health should their or or the environ	Il operators or the envi operations l nment. In a	are required to ronment. The nave failed to	o report and acceptant acc	e is true and comp nd/or file certain re ce of a C-141 repo v investigate and re otance of a C-141	elease no ort by the emediate	otifications as NMOCD m contaminati	nd perform correct arked as "Final R on that pose a thr	ctive act deport" of reat to g	ions for rele does not rele round water	eases which ieve the ope r, surface w	may endanger rator of liability ater, human health	
Signature:	Bruc	n Ba	de				OIL CON		<u> </u>	DIVISIO	\int_{N}	
Printed Name	e: Bruce E	Baker				Approved by	Environmental S	pecialis	t: UW	OU	(10)	
Title: Enviro	onmental To	echnician				Approval Da	te: 814117		Expiration	Date: N)/	}	
E-mail Addre	ess: larry.l	oaker@apache	corp.com			Conditions of	f Approval:	لمما		Attached	X	
Date: 7/28	3/2017		Pho	ne: (432) 631-698	2	8ce	much	الايان	,	1.	-	

2RP-4316

^{*} Attach Additional Sheets If Necessary

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Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	None (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☑ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☑ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☑ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☑ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☑ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☑ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☑ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☑ No
Did the release impact areas not on an exploration, development, production, or storage site?	✓ Yes ☐ No
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil
Characterization Report Checklist: Each of the following items must be included in the report.	
 ✓ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wel ✓ Field data ✓ Data table of soil contaminant concentration data ✓ Depth to water determination 	ls.
Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release	

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

Boring or excavation logs

✓ Topographic/Aerial maps

☑ Photographs including date and GIS information

✓ Laboratory data including chain of custody

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Incident ID	
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.								
Printed Name: Larry Baker	Title: Environmental Tech SR.							
Signature: Larry Baker	Date: 10/26/2020							
Signature: Larry Baker email: larry.baker@apachecorp.com	Telephone: 432-631-6982							
OCD Only								
Received by:	Date:							

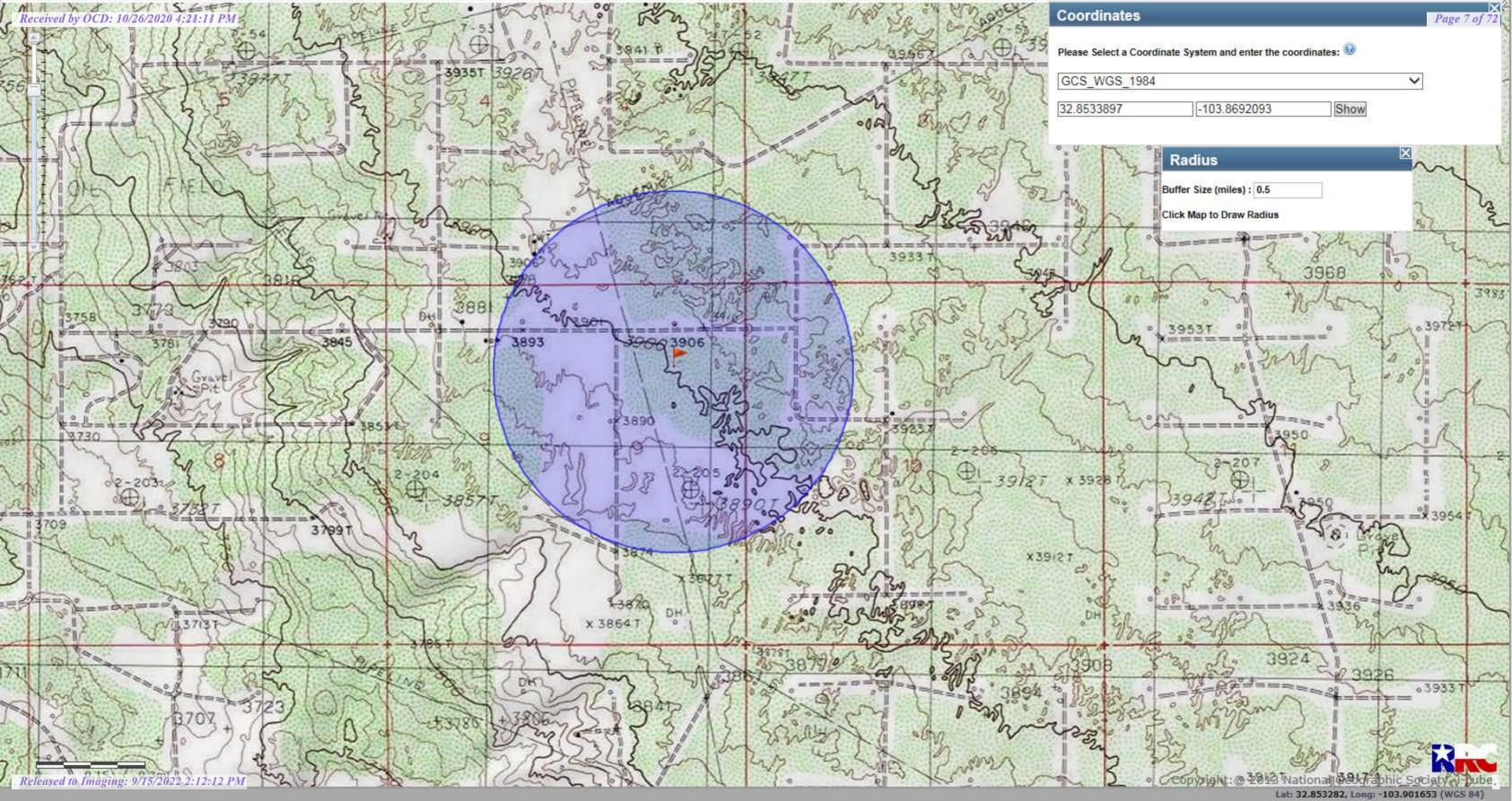
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Incident ID	
District RP	
Facility ID	
Application ID	

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 incl	luded 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 photo must be notified 2 days prior to liner inspection)	s of the liner integ	rity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate OD	OC District office m	nust be notified 2 days prior to final sampling)
Description of remediation activities		
I hereby certify that the information given above is true and compland regulations all operators are required to report and/or file certa may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and rehuman health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regularestore, reclaim, and re-vegetate the impacted surface area to the caccordance with 19.15.29.13 NMAC including notification to the	tin release notificate of a C-141 report by the emediate contaminate of a C-141 report do lations. The responditions that exist OCD when reclamate	tions and perform corrective actions for releases which we the OCD does not relieve the operator of liability ation that pose a threat to groundwater, surface water, sees not relieve the operator of responsibility for asible party acknowledges they must substantially seed prior to the release or their final land use in ation and re-vegetation are complete.
Printed Name: Larry Baker	_{Title:} Enviro	nmental Tech SR.
Signature: Larry Baker email: larry.baker@apachecorp.com	Date: 10/26/2	
email: larry.baker@apachecorp.com	Telephone: 432	
OCD Only		
Received by:	Date:	
Closure approval by the OCD does not relieve the responsible party remediate contamination that poses a threat to groundwater, surface party of compliance with any other federal, state, or local laws and	water, human hea	
Closure Approved by: Brittany Hall	Date:	9/15/2022
Printed Name: Brittany Hall	Title:	Environmental Specialist



Cedar Lake Fed CA 901 Remediation Plan Proposal

Apache Corporation Eddy County, New Mexico

Table1: Soil Sample Results

			Lab Data					
Date	Sample #	Depth	BTEX	TPH	CL's			
7/21/2017								
Caliche	SP 1	0"	<0.300	94.1	16400			
Sand	SP 1	1'	0.764	<10.0	624			
Caliche	SP 2	0"	3.56	370	10000			
Sand	SP 2	1'	<0.300	63.4	1120			
Sand	SP 3	0"	583	19900	9200			
Sand	SP 3	1'	<0.300	16	4560			

TPH: Gasoline range (GRO) - >C6-C12; Diesel range (DRO) - >C12-C28

Figure 1: Sample Point Locations and Release Area

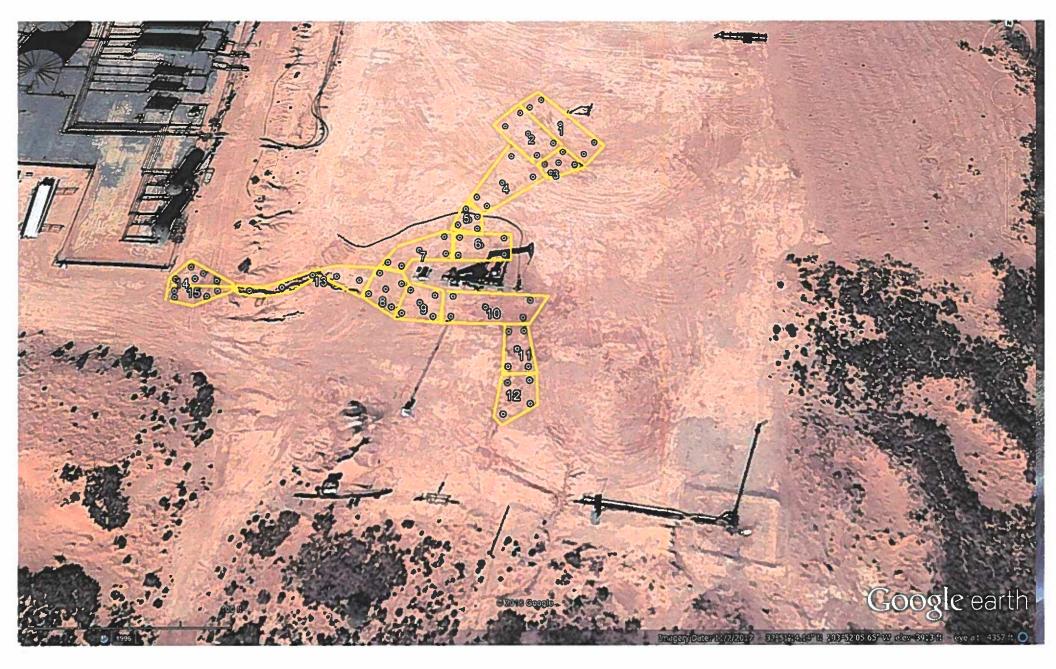




WAll Samples



Bottom Samples



Wall Samples

Sample Pt.	Depth	Chloride	Benzene	Toluene	Ethybenzene	Total Xylenes	Total BTEX	GRO	DRO	EXT DRO	GPS
WC 1	1'	4560	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<10	32.8538156 -103.8684553
WC 2	1'	368	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<10	32.8535230 -103.8685736
WC 2	1'	2240	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<10	32.8534664 -103.8684475
WC 4	1'	1840	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<10	32.8532957 -103.8682216
WC 5	1'	3160	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<10	32.8536169 -103.8683688
WC 6	6"	816	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<10	32.8540038 -103.8683175
WC 7	n/a	2640	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<10	32.8536939 -103.8683138

Bottom Samples

Sample Pt.	Depth	Chloride	Benzene	Toluene	Ethybenzene	Total Xylenes	Total BTEX	GRO	DRO	EXT DRO	_ GPS
BFC 1	6"-1'	2400	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<10	32.85381 -103.86821
BFC 2	6"-1'	4880	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<10	32.85377 -103.86831
BFC 3	6"-1'	48	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<10	32.85375 -103.86824
BFC 4	6"-1'	2240	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<10	32.85371 -103.86834
BFC 5	6"-1'	1090	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<10	32.85362 -103.86841
BFC 6	6"-1'	2880	<0.050	<0.050	<0.050	<0.150	<0.300	<10	219	52.4	32.85355 -103.86847
BFC 7	6"-1'	7440	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<10	32.83537 -103.86847
BFC 8	6"-1'	240	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<10	32.85348 -103.86857
BFC 9	6"-1'	7120	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<10	32.8535075 -103.8684745
BFC 10	6"-1'	5120	<0.050	<0.050	<0.050	<0.150	<0.300	<10	156	29.9	32.8534880 -103.8683111
BFC 11	6"-1'	112	<0.050	<0.050	<0.050	<0.150	<0.300	<10	125	39.2	32.8533509 -103.8682823
BFC 12	6"-1'	32	<0.050	<0.050	<0.050	<0.150	<0.300	<10	12.1	<10.0	32.8533537 -103.8682755
BFC 13	6"-1'	48	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<10	32.8535044 -103.8687164
BFC 14	6"-1'	48	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<10	32.8534940 -103.8689049
BFC 15	6"-1'	2000	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<10	32.8535275 -103.8688720



2020 Final Samples

Sample	Sample ID	Depth	Chloride	Benzene	Toulene	Ethybenz	Total	Total	GRO	DRO	EXT DRO	GPS
Date						ene	Xylenes	BTEX				Coordinates
												32.853219,
10/8/2020	B1	Surface	80	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	549	128	-103.868262
												32.853177,
10/8/2020	B2	Surface	592	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	15	<10.0	-103.868173
												32.853148,
10/8/2020	В3	Surface	224	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	-103.868148
												32.85307,
10/15/2020	B4	4'	32.0	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	21.2	<10.0	-103.86819
												32.85306,
10/15/2020	W1		16.0	0.126	0.339	0.066	<0.150	0.661	<10.0	<10.0	<10.0	-103.86819
												32.85303,
10/15/2020	W2		32.0	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	11.4	<10.0	-103.86824
												32.85306,
10/15/2020	W3		16.0	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	-103.86819
												32.85310,
10/15/2020	W4		<16.0	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	-103.86816



Analytical Results For:

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

Fax To:

(575) 393-2432

Received:

06/03/2019

Reported:

06/10/2019

Project Name: Project Number: CROW FED SWD #1
NONE GIVEN

Project Location:

NOT GIVEN

Sampling Date:

06/03/2019

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Tamara Oldaker

Sample ID: WC # 1 @ 1' (H901937-01)

BTEX	8021B

mg,	/k

Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/06/2019	ND	2.28	114	2.00	3.69	
Toluene*	<0.050	0.050	06/06/2019	ND	2.29	114	2.00	4.21	
Ethylbenzene*	<0.050	0.050	06/06/2019	ND	2.13	106	2.00	2.62	
Total Xylenes*	<0.150	0.150	06/06/2019	ND	6.39	106	6.00	2.04	
Total BTEX	<0.300	0.300	06/06/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIE	103 9	6 73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4560	16.0	06/06/2019	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2019	ND	220	110	200	5.65	
DRO >C10-C28*	<10.0	10.0	06/05/2019	ND	199	99.6	200	7.49	
EXT DRO >C28-C36	<10.0	10.0	06/05/2019	ND					

Surrogate: 1-Chlorooctane

90.0%

41-142

Surrogate: 1-Chlorooctadecane

90.0%

37.6-147

Cardinal Laboratories

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*=Accredited Analyte

PLEADS (VI)E; Labbety and Damages. Cardward labbety and deletifs e-cluster transfel for any claim ansing, whether based in contract or tort, shall be limited to the amount paid by cleent for analyses. All claims, including those for nepligence and any other cause whatsoever shall be deemed waived unless made in whiting and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be labble for incidental or consequential damages, including, without limitations, business intempretors, loss of or use, or loss of profits incurred by client, its authorisance, affiliates or successors arrang out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laborationes.

Colog ? . trians





Analytical Results For:

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

Fax To:

(575) 393-2432

Received:

06/03/2019

Sampling Date:

06/03/2019

Reported:

06/10/2019

Sampling Type:

Soil

Project Name:

CROW FED SWD #1

Sampling Condition:

Cool & Intact

Project Number: Project Location: NONE GIVEN

Sample Received By:

Tamara Oldaker

NOT GIVEN

Sample ID: WC # 2 @ 1' (H901937-02)

BTEX 8021B	mg/kg		Analyze	Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/06/2019	ND	2.28	114	2.00	3.69	
Toluene*	<0.050	0.050	06/06/2019	ND	2.29	114	2.00	4.21	
Ethylbenzene*	<0.050	0.050	06/06/2019	ND	2.13	106	2.00	2.62	
Total Xylenes*	<0.150	0.150	06/06/2019	ND	6.39	106	6.00	2.04	
Total BTEX	<0.300	0.300	06/06/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIE	103 9	6 73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	B\$	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	06/06/2019	ND	432	108	400	7.69	QM-07
TPH 8015M	mg/	kg	Analyze	d By: MS				_	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2019	ND	220	110	200	5.65	
DRO >C10-C28*	<10.0	10.0	06/05/2019	ND	199	99.6	200	7.49	
EXT DRO >C28-C36	<10.0	10.0	06/05/2019	ND					
Surrogate: 1-Chlorooctane	92.5	% 41-142							
Surrogate: 1-Chlorooctadecane	99.7	% 37.6-14	7						

Cardinal Laboratories

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*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and cleam's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by clean for analyses. All claims, including those for negligence and any other cause whatsoners that be deemed winted unless made in whom and recovered by Cardinal within thirty (30) shys after completion of the applicable service. In no event shall be deemed unless made in whom and recovered by Cardinal within thirty (30) shys after completion of the applicable service. In no event shall cardinal be liable for incidental or incidental or incidental damages, including, without limitation, business interruptions, loss of use, or loss of profits mourted by client, its subsidianes, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims 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 Laboratones.

Cologi trans



Analytical Results For:

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

Fax To:

(575) 393-2432

Received:

06/03/2019

Sampling Date:

06/03/2019

Reported:

06/10/2019

Sampling Type:

Soil

Project Name:

CROW FED SWD #1 NONE GIVEN

Sampling Condition:

Cool & Intact

Project Number: Project Location:

NOT GIVEN

Sample Received By:

Tamara Oldaker

Sample ID: WC # 3 @ 1' (H901937-03)

BTEX	8021	8

mg	1	k
	•	••

BTEX 8021B	mg/kg		Analyze	Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS % Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/06/2019	ND	2.28	114	2.00	3.69	
Toluene*	<0.050	0.050	06/06/2019	ND	2.29	114	2.00	4.21	
Ethylbenzene*	<0.050	0.050	06/06/2019	ND	2.13	106	2.00	2.62	
Total Xylenes*	<0.150	0.150	06/06/2019	ND	6.39	106	6.00	2.04	
Total BTEX	<0.300	0.300	06/06/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIE	102 %	73.3-12	9						
Chloride, SM4500CI-B	hloride, SM4500Cl-B mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2240	16.0	06/06/2019	ND	432	108	400	7 69	

Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
2240	16.0	06/06/2019	ND	432	108	400	7.69	
mg/kg		Analyzed By: MS						
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	06/05/2019	ND	220	110	200	5.65	
<10.0	10.0	06/05/2019	ND	199	99.6	200	7.49	
<10.0	10.0	06/05/2019	ND					
	2240 mg. Result <10.0 <10.0	2240 16.0 mg/kg Result Reporting Limit <10.0 10.0 <10.0	2240 16.0 06/06/2019 mg/kg Analyze Result Reporting Limit Analyzed <10.0	2240 16.0 06/06/2019 ND mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank <10.0	2240 16.0 06/06/2019 ND 432 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS <10.0	2240 16.0 06/06/2019 ND 432 108 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery <10.0	2240 16.0 06/06/2019 ND 432 108 400 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC <10.0	2240 16.0 06/06/2019 ND 432 108 400 7.69 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD <10.0

Surrogate 1-Chloroociane

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90.8 %

41-142

Surrogate: 1-Chlorooctadecane

96.5 %

37.6-147

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Analytical Results For:

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

Fax To:

(575) 393-2432

Received:

06/03/2019

Sampling Date:

06/03/2019

Reported:

06/10/2019

Sampling Type:

Soil

Project Name:

CROW FED SWD #1

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Tamara Oldaker

Project Location:

NOT GIVEN

Sample ID: WC # 4 @ 1' (H901937-04)

BTEX 8021B	mg,	mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/06/2019	ND	2.28	114	2.00	3.69	
Toluene*	<0.050	0.050	06/06/2019	ND	2.29	114	2.00	4.21	
Ethylbenzene*	<0.050	0.050	06/06/2019	ND	2.13	106	2.00	2.62	
Total Xylenes*	<0.150	0.150	06/06/2019	ND	6.39	106	6.00	2.04	
Total BTEX	<0.300	0.300	06/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE	102	% 73.3-129	•						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1840	16.0	06/06/2019	ND	432	108	400	7.69	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2019	ND	220	110	200	5.65	
DRO >C10-C28*	<10.0	10.0	06/05/2019	ND	199	99.6	200	7.49	
EXT DRO >C28-C36	<10.0	10.0	06/05/2019	ND					

Surrogate: 1-Chlorooctane 87.3 % 41-142
Surrogate: 1-Chlorooctadecane 85.8 % 37.6-147

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Colog " triena





Analytical Results For:

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

Fax To:

(575) 393-2432

Received:

06/03/2019

Sampling Date:

06/03/2019

Reported:

06/10/2019

Sampling Type:

Soil

Project Name:

CROW FED SWD #1

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Tamara Oldaker

Project Location:

NOT GIVEN

Sample ID: WC # 5 @ 1' (H901937-05)

BTEX 8021B	mg/kg		Analyze	Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/06/2019	ND	2.28	114	2.00	3.69	
Toluene*	<0.050	0.050	06/06/2019	ND	2.29	114	2.00	4.21	
Ethylbenzene*	<0.050	0.050	06/06/2019	ND	2.13	106	2.00	2.62	
Total Xylenes*	<0.150	0.150	06/06/2019	ND	6.39	106	6.00	2.04	
Total BTEX	<0.300	0.300	06/06/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIE	101	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	85	% Recovery	True Value QC	RPD	Qualifier
Chloride	3160	16.0	06/06/2019	ND	432	108	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	85	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2019	ND	220	110	200	5.65	
DRO >C10-C28*	<10.0	10.0	06/05/2019	ND	199	99.6	200	7.49	
EXT DRO >C28-C36	<10.0	10.0	06/05/2019	ND					
Surrogate: 1-Chlorooctane	90.3	% 41-142	?						
Surrogate: 1-Chloroociadecane	85.7	% 37.6-14	7						

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Analytical Results For:

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

Fax To:

(575) 393-2432

Received:

06/03/2019

Reported:

06/10/2019

Project Name: Project Number: CROW FED SWD #1

Project Location:

NONE GIVEN

Sampling Date:

06/03/2019

Sampling Type:

Sampling Condition:

Soil Cool & Intact

Sample Received By:

Tamara Oldaker

Sample ID: WC # 6 @ 6" (H901937-06)

BTEX 8021B

ma/ka

Analyzed By: ms

BILK OUZIB	mg/ ng		Andryze	Analyzed by: III3					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	06/06/2019	ND	2.28	114	2,00	3.69	
Toluene*	<0.050	0.050	06/06/2019	ND	2.29	114	2.00	4.21	
Ethylbenzene*	<0.050	0.050	06/06/2019	ND	2.13	106	2.00	2.62	
Total Xylenes*	<0.150	0.150	06/06/2019	ND	6.39	106	6.00	2.04	
Total BTEX	< 0.300	0.300	06/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE

101%

73.3-129

Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	816	16.0	06/06/2019	ND	432	108	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2019	ND	220	110	200	5.65	
DRO >C10-C28*	<10.0	10.0	06/05/2019	ND	199	99.6	200	7.49	
EXT DRO >C28-C36	<10.0	10.0	06/05/2019	ND					

Surrogate: 1-Chlorooctane

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84.2 %

41-142

Surrogate: 1-Chlorooctadecane

80.6 %

37.6-147

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Analytical Results For:

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

Fax To:

(575) 393-2432

Received: Reported: 06/03/2019

06/10/2019

Project Name: Project Number: CROW FED SWD #1

Project Location:

NONE GIVEN

Sampling Date:

06/03/2019

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Tamara Oldaker

Sample ID: WC # 7 ISLAND (H901937-07)

BTEX 8021B	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/06/2019	ND	2.28	114	2.00	3.69	
Toluene*	<0.050	0.050	06/06/2019	ND	2.29	114	2.00	4.21	
Ethylbenzene*	<0.050	0.050	06/06/2019	ND	2.13	106	2.00	2.62	
Total Xylenes*	<0.150	0.150	06/06/2019	ND	6.39	106	6.00	2.04	
Total BTEX	<0.300	0.300	06/06/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIE	101	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2640	16.0	06/06/2019	ND	432	108	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2019	ND	220	110	200	5.65	
DRO >C10-C28*	<10.0	10.0	06/05/2019	ND	199	99.6	200	7.49	
EXT DRO >C28-C36	<10.0	10.0	06/05/2019	ND					
Surragate: 1-Chlorooctane	88.5	% 41-142	?						
Surrogate: I-Chlorooctadecane	85.4	% 37.6-14	7						

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Analytical Results For:

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

Fax To:

(575) 393-2432

Received: Reported: 06/03/2019

06/10/2019

Project Name:

CROW FED SWD #1

Project Number:

NONE GIVEN

Sampling Date:

Sample Received By:

06/03/2019

Sampling Type:

Soil Sampling Condition:

Cool & Intact Tamara Oldaker

Project Location:

NOT GIVEN

Sample ID: BFC # 1 (H901937-08)

BTEX 8021B	mg/	mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/06/2019	ND	2.28	114	2.00	3.69	
Toluene*	< 0.050	0.050	06/06/2019	ND	2.29	114	2.00	4.21	
Ethylbenzene*	<0.050	0.050	06/06/2019	ND	2.13	106	2.00	2.62	
Total Xylenes*	< 0.150	0.150	06/06/2019	ND	6.39	106	6.00	2.04	
Total BTEX	<0.300	0.300	06/06/2019	ND					

Surrogate 4-Bromofluorobenzene (PIL

99.7 %

73.3-129

Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	2400	16.0	06/06/2019	ND	432	108	400	7.69	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10*	<10.0	10.0	06/05/2019	ND	220	110	200	5.65	
DRO >C10-C28*	<10.0	10.0	06/05/2019	ND	199	99.6	200	7.49	
EXT DRO >C28-C36	<10.0	10.0	06/05/2019	ND					
6		04 41.44							

Surrogate: 1-Chlorooctane

Received by OCD: 10/26/2020 4:21:11 PM

66.6 %

41-142

Surrogate: 1-Chlorooctadecane

63.3 %

37.6-147

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Analytical Results For:

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

Fax To:

(575) 393-2432

Received: Reported: 06/03/2019

06/10/2019

Project Name: Project Number: CROW FED SWD #1
NONE GIVEN

Project Location:

NONE GIVEN

Sampling Date:

06/03/2019

Sampling Type:

Soil Cool & Intact

Sampling Condition: Sample Received By:

Tamara Oldaker

Sample ID: BFC # 2 (H901937-09)

8TEX 8021B	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/06/2019	ND	2.28	114	2.00	3.69	
Toluene*	<0.050	0.050	06/06/2019	ND	2.29	114	2.00	4.21	
Ethylbenzene*	<0.050	0.050	06/06/2019	ND	2.13	106	2.00	2.62	
Total Xylenes*	<0,150	0.150	06/06/2019	ND	6.39	106	6.00	2.04	
Total 8TEX	<0.300	0.300	06/06/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIC	101	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4880	16.0	06/06/2019	ND	432	108	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2019	ND	220	110	200	5.65	
DRO >C10-C28*	<10.0	10.0	06/05/2019	ND	199	99.6	200	7.49	
EXT DRO >C28-C36	<10.0	10.0	06/05/2019	ND					
Surrogate: 1-Chlorooctane	99.7	% 41-142	?						
Surrogate: 1-Chlorooctadecane	97.0	% 37.6-14	7						

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Received by OCD: 10/26/2020 4:21:11 PM

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Analytical Results For:

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

Fax To:

(575) 393-2432

Received: Reported: 06/03/2019

06/10/2019

Project Name: Project Number: CROW FED SWD #1
NONE GIVEN

Project Location:

NOT GIVEN

Sampling Date:

Sample Received By:

ng Date:

Sampling Type:
Sampling Condition:

Soil Cool & Intact

Tamara Oldaker

06/03/2019

Sample ID: BFC # 3 (H901937-10)

BTEX 8021B	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BŞ	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/06/2019	ND	2.28	114	2.00	3.69	
Toluene*	<0.050	0.050	06/06/2019	ND	2.29	114	2.00	4.21	
Ethylbenzene*	<0.050	0.050	06/06/2019	ND	2.13	106	2.00	2.62	
Total Xylenes*	<0.150	0.150	06/06/2019	ND	6.39	106	6.00	2.04	
Total BTEX	<0.300	0.300	06/06/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIC	99.7	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/06/2019	ND	432	108	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2019	ND	220	110	200	5.65	
DRO >C10-C28*	<10.0	10.0	06/05/2019	ND	199	99.6	200	7.49	
EXT DRO >C28-C36	<10.0	10.0	06/05/2019	ND					
Surrogate: 1-Chlorooctane	95.1	% 41-142	?						
Surrogate: 1-Chlorooctadecane	93.1	% 37.6-14	17						

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Analytical Results For:

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

Fax To:

(575) 393-2432

Received: Reported: 06/03/2019

06/10/2019

Project Name: Project Number: CROW FED SWD #1

Project Location:

NONE GIVEN

Sampling Date:

06/03/2019

Soil

Sampling Type:

Sampling Condition:

Sample Received By:

Cool & Intact Tamara Oldaker

NOT GIVEN

Sample ID: BFC # 4 (H901937-11)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/06/2019	ND .	2.28	114	2.00	3.69	
Toluene*	<0.050	0.050	06/06/2019	ND	2.29	114	2.00	4.21	
Ethylbenzene*	<0.050	0.050	06/06/2019	ND	2.13	106	2.00	2.62	
Total Xylenes*	<0.150	0.150	06/06/2019	ND	6.39	106	6.00	2.04	
Total BTEX	<0.300	0.300	06/06/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIE	1015	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC	101				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2240	16.0	06/06/2019	ND	432	108	400	7.69	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2019	ND	196	98.0	200	1.36	
DRO >C10-C28*	<10.0	10.0	06/05/2019	ND	194	97.1	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	06/05/2019	ND					
Surrogate: 1-Chlorooctane	90.8	% 41-142	?						
Surrogate: 1-Chlorooctadecane	95.6	% 37.6-14	7						

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Analytical Results For:

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

Fax To:

(575) 393-2432

Received:

06/03/2019

Reported:

06/10/2019

Project Name: Project Number: CROW FED SWD #1

Project Location:

NONE GIVEN

Sampling Date:

06/03/2019

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Tamara Oldaker

Sample ID: BFC # 5 (H901937-12)

BTEX 8021B	mg/	kg	Analyze	d By: ms					<u> </u>
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/06/2019	ND	2.28	114	2.00	3.69	
Toluene*	<0.050	0.050	06/06/2019	ND	2.29	114	2.00	4.21	
Ethylbenzene*	<0.050	0.050	06/06/2019	ND	2.13	106	2.00	2.62	
Total Xylenes*	<0.150	0.150	06/06/2019	ND	6.39	106	6.00	2.04	
Total BTEX	<0.300	0.300	06/06/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	101 9	6 73.3-12	19						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					

Chloride, SM4500CI-B	mg,	mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1090	16.0	06/06/2019	ND	432	108	400	7.69	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2019	ND	196	98.0	200	1.36	
DRO >C10-C28*	<10.0	10.0	06/05/2019	ND	194	97.1	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	06/05/2019	ND					

Surrogate: 1-Chlorooctane

95.3 %

41-142

Surrogate: 1-Chlorooctadecane

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99.0 %

37.6-147

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Analytical Results For:

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

Fax To:

(575) 393-2432

Received:

06/03/2019

Reported:

06/10/2019 CROW FED SWD #1

Project Name: Project Number:

NONE GIVEN

Project Location:

NONE GIVEN

118 %

37.6-147

Sampling Date:

06/03/2019

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cooi & Intact Tamara Oldaker

Sample ID: BFC # 6 (H901937-13)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/06/2019	ND	2.28	114	2.00	3.69	
Toluene*	<0.050	0.050	06/06/2019	ND	2.29	114	2.00	4.21	
Ethylbenzene*	<0.050	0.050	06/06/2019	ND	2.13	106	2.00	2.62	
Total Xylenes*	<0.150	0.150	06/06/2019	ND	6.39	106	6.00	2.04	
Total BTEX	<0.300	0.300	06/06/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	101 5	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2880	16.0	06/06/2019	ND	432	108	400	7.69	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2019	ND	196	98.0	200	1.36	
DRO >C10-C28*	219	10.0	06/05/2019	ND	194	97.1	200	2.48	
EXT DRO >C28-C36	52.4	10.0	06/05/2019	ND					
Surrogate: 1-Chlorooctane	103 5	% 41-142	?						

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Surrogate: 1-Chlorooctadecane

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All claims, including those for negligence and any other amount paid by cleint for analyses. All claims, including those for negligence and any other amount paid by cleint for analyses. All claims, including those for negligence and any other amount paid by cleint for analyses. All claims, including those for negligence and any other amount paid by cleint for analyses. All claims, including those for negligence and any other amount paid by cleint for analyses. All claims, including those for negligence and any other amount paid by cleint for analyses. All claims, including the paid to the performance of the amount paid by cleint for analyses. All claims and any other amount paid by cleint for analyses. All claims are approximately any other amount paid by cleint for analyses. All claims are approximately any other amounts and any other amounts

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Analytical Results For:

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

Fax To:

(575) 393-2432

Received:

06/03/2019

Reported:

06/10/2019

Project Name: Project Number: CROW FED SWD #1
NONE GIVEN

Project Location:

NOT GIVEN

Sampling Date:

06/03/2019

Sampling Type:

Sampling Condition:

Soil Cool & Intact

Sample Received By:

2001 & ITILIACE

Tamara Oldaker

Sample ID: BFC # 7 (H901937-14)

BTEX 8021B	mg,	/kg	Analyze	ed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	8\$	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/06/2019	ND	2.28	114	2.00	3.69	
Toluene*	<0.050	0.050	06/06/2019	ND	2.29	114	2.00	4.21	
Ethylbenzene*	<0.050	0.050	06/06/2019	ND	2.13	106	2.00	2.62	
Total Xylenes*	<0.150	0.150	06/06/2019	ND	6.39	106	6.00	2.04	
Total BTEX	<0.300	0.300	06/06/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIE	101	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7440	16.0	06/06/2019	ND	432	108	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2019	ND	196	98.0	200	1.36	
DRO >C10-C28*	<10.0	10.0	06/05/2019	ND	194	97.1	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	06/05/2019	ND					
Surrogate: 1-Chlorooctane	93.1	% 41-142	?						
Surrogate: 1-Chlorooctadecane	96.5	% 37.6-14	7						

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Analytical Results For:

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

Fax To:

(575) 393-2432

Received:

06/03/2019

06/10/2019

Reported: Project Name:

CROW FED SWD #1

Project Number: Project Location: NONE GIVEN NOT GIVEN

Sampling Date:

06/03/2019

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Tamara Oldaker

Sample ID: BFC # 8 (H901937-15)

BTEX 8021B	mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/06/2019	ND	2.28	114	2.00	3.69	
Toluene*	<0.050	0.050	06/06/2019	ND	2.29	114	2.00	4.21	
Ethylbenzene*	<0.050	0.050	06/06/2019	ND	2.13	106	2.00	2.62	
Total Xylenes*	<0.150	0.150	06/06/2019	ND	6.39	106	6.00	2.04	
Total BTEX	<0.300	0.300	06/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE	103 %	73.3-129
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Chloride, SM4500CI-8	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	06/06/2019	ND	432	108	400	7.69	
TPH 8015M	mg.	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2019	ND	196	98.0	200	1.36	
DRO >C10-C28*	<10.0	10.0	06/05/2019	ND	194	97.1	200	2.48	
EXT DRO >C28-C36	< 10.0	10.0	06/05/2019	ND					

Surrogate: 1-Chlorooctane 101%

41-142

Surrogate: 1-Chlorooctadecane

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103 %

37.6-147

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Analytical Results For:

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

Fax To:

(575) 393-2432

Received: Reported: 06/03/2019

06/10/2019

Project Name: Project Number: CROW FED SWD #1
NONE GIVEN

Project Location:

NOT GIVEN

Sampling Date:

ampling bate:

Sampling Type:

Sampling Condition: Sample Received By: 06/03/2019

Soil Cool & Intact

Tamara Oldaker

Sample ID: BFC # 9 (H901937-16)

BTEX 8021B	mg/kg		Analyze	Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	06/06/2019	ND	2.28	114	2.00	3.69	
Toluene*	<0.050	0.050	06/06/2019	ND	2.29	114	2.00	4.21	
Ethylbenzene*	< 0.050	0.050	06/06/2019	ND	2.13	106	2.00	2.62	
Total Xylenes*	<0.150	0.150	06/06/2019	ND	6.39	106	6.00	2.04	
Total BTEX	<0.300	0.300	06/06/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIE	101 9	6 73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7120	16.0	06/06/2019	ND	432	108	400	7.69	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2019	ND	196	98.0	200	1.36	
DRO >C10-C28*	<10.0	10.0	06/05/2019	ND	194	97.1	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	06/05/2019	ND					
Surrogate: 1-Chlorooctane	101 9	6 41-142	?						
Surrogate: 1-Chlorooctadecane	103 9	6 37.6-14	7						

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Analytical Results For:

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

Fax To:

(575) 393-2432

Received:

06/03/2019

Sampling Date:

06/03/2019

Reported:

06/10/2019

Sampling Type:

Soil

Project Name:

CROW FED SWD #1

Sampling Condition:

Cool & Intact

Project Number: Project Location:

NONE GIVEN **NOT GIVEN**

Sample Received By:

Tamara Oldaker

Sample ID: BFC # 10 (H901937-17)

BTEX 8021B	mg/	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/06/2019	ND	2.28	114	2.00	3.69	
Toluene*	<0.050	0.050	06/06/2019	ND	2.29	114	2.00	4.21	
Ethylbenzene*	<0.050	0.050	06/06/2019	ND	2.13	106	2.00	2.62	
Total Xylenes*	< 0.150	0.150	06/06/2019	ND	6.39	106	6.00	2.04	
Total BTEX	<0.300	0.300	06/06/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	101	% 73,3-12	9						
Chloride, SM4500CI-B	mg,	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5120	16.0	06/06/2019	ND	432	108	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2019	ND	196	98.0	200	1.36	
DRO >C10-C28*	156	10.0	06/05/2019	ND	194	97.1	200	2.48	
EXT DRO >C28-C36	29.9	10.0	06/05/2019	ND					
Surrogate: 1-Chlorooctane	96.5	% 41-142	?						
Surrogate: 1-Chlorooctadecane	111 5	% 37.6-14	7						

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Analytical Results For:

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

Fax To:

(575) 393-2432

Received: Reported: 06/03/2019

06/10/2019

Project Name: Project Number:

NONE GIVEN **NOT GIVEN**

Project Location:

CROW FED SWD #1

Sampling Condition:

Sampling Date:

Sampling Type:

06/03/2019

Soil

Cool & Intact

Sample Received By:

Tamara Oldaker

Sample ID: BFC # 11 (H901937-18)

BTEX	8021B

Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/06/2019	ND	2.28	114	2.00	3.69	
Toluene*	<0.050	0.050	06/06/2019	ND	2.29	114	2.00	4.21	
Ethylbenzene*	<0.050	0.050	06/06/2019	ND	2.13	106	2.00	2.62	
Total Xylenes*	<0.150	0.150	06/06/2019	ND	6.39	106	6.00	2.04	
Total BTEX	<0.300	0.300	06/06/2019	ND					

Surrogate: 4-Bromofluo	orobenzene (PIE
------------------------	-----------------

101%

73.3-129

Chloride, SM4500CI-B	mg,	mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	06/06/2019	ND	432	108	400	7.69	
TPH 8015M		/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2019	ND	196	98.0	200	1.36	
DRO >C10-C28*	125	10.0	06/05/2019	ND	194	97.1	200	2.48	
EXT DRO >C28-C36	39.2	10.0	06/05/2019	ND					

Surrogate: 1-Chlorooctane

Received by OCD: 10/26/2020 4:21:11 PM

948%

41-142

Surrogate: 1-Chlorooctadecane

108 %

37.6-147

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Analytical Results For:

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

Fax To:

(575) 393-2432

Received:

06/03/2019

Reported:

06/10/2019 CROW FED SWD #1

Project Name: Project Number:

NONE GIVEN

Project Location:

NOT GIVEN

Sampling Date:

06/03/2019

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Tamara Oldaker

Sample ID: BFC # 12 (H901937-19)

BTEX 8021B	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Anatyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/06/2019	ND	2.28	114	2.00	3.69	
Toluene*	<0.050	0.050	06/06/2019	ND	2.29	114	2.00	4.21	
Ethylbenzene*	<0.050	0.050	06/06/2019	ND	2.13	106	2.00	2.62	
Total Xylenes*	<0.150	0.150	06/06/2019	ND	6.39	106	6.00	2.04	
Total BTEX	<0.300	0.300	06/06/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	101	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	85	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/06/2019	ND	432	108	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2019	ND	196	98.0	200	1.36	
DRO >C10-C28*	12.1	10.0	06/05/2019	ND	194	97.1	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	06/05/2019	ND					
Surrogate: 1-Chlorooctane	94.6	% 41-142							
Surrogate: 1-Chlorooctadecane	97.4	% 37.6-14	7						

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Received by OCD: 10/26/2020 4:21:11 PM

*=Accredited Analyte

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Analytical Results For:

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

Fax To:

(575) 393-2432

Received:

06/03/2019

Reported: Project Name:

06/10/2019 CROW FED SWD #1

Project Number: Project Location: NONE GIVEN **NOT GIVEN**

Sampling Date:

06/03/2019

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Sample ID: BFC # 13 (H901937-20)

		•	-
BTEX 8021B			mg

BTEX 8021B	mg/l	(g	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/07/2019	ND	1.89	94.5	2.00	4.34	
Toluene*	<0.050	0.050	06/07/2019	ND	1.89	94.5	2.00	4.16	
Ethylbenzene*	<0.050	0.050	06/07/2019	ND	1.78	88.8	2.00	5.01	
Total Xylenes*	<0.150	0.150	06/07/2019	ND	5.40	90.0	6.00	5.66	
Total BTEX	<0.300	0.300	06/07/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIE	103 %	73.3-12	9						
Chloride, SM4500CI-B	mg/l	(g	Analyze	d By: AC					

Chloride, SM4500CI-B Analyte	mg/kg		Analyzed By: AC						
	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/06/2019	ND	432	108	400	7.69	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2019	ND	196	98.0	200	1.36	
DRO >C10-C28*	<10.0	10.0	06/05/2019	ND	194	97.1	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	06/05/2019	ND					

Surrogate: 1-Chlorooctane

109 %

41-142

Surrogate: 1-Chlorooctadecane

114%

37.6-147

Cardinal Laboratories

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*=Accredited Analyte

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Analytical Results For:

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

Fax To:

(575) 393-2432

Received: Reported: 06/03/2019

06/10/2019

Project Name:

CROW FED SWD #1 NONE GIVEN

Project Number: Project Location:

NOT GIVEN

Sampling Date:

06/03/2019

Sampling Type:

Sampling Condition:

Soil Cool & Intact

Sample Received By:

Tamara Oldaker

Sample ID: BFC # 14 (H901937-21)

BTEX 8021B	mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	88	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	06/07/2019	ND	1.89	94.5	2.00	4.34	
Toluene*	<0.050	0.050	06/07/2019	ND	1.89	94.5	2.00	4.16	
Ethylbenzene*	<0.050	0.050	06/07/2019	ND	1.78	88.8	2.00	5.01	
Total Xylenes*	<0.150	0.150	06/07/2019	ND	5.40	90.0	6.00	5.66	
Total BTEX	<0.300	0.300	06/07/2019	ND					
Surrogate 4-Bromofluorobenzene (PIE	102 9	6 73.3-12	9						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/06/2019	ND	432	108	400	7.69	
TPH 8015M	mg/	Result Reporting Limit 0.050	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10*	<10.0	10.0	06/05/2019	ND	196	98.0	200	1.36	
DRO >C10-C28*	<10.0	10.0	06/05/2019	ND	194	97.1	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	06/05/2019	ND					
Surrogate: 1-Chlorooctane	103 9	6 41-142	?						
Surrogate 1-Chlorooctadecane	110 9	6 37.6-14	7						

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*=Accredited Analyte

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Analytical Results For:

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

Fax To:

(575) 393-2432

Received: Reported: 06/03/2019

06/10/2019

CROW FED SWD #1

Project Name: Project Number:

NONE GIVEN

Project Location:

NOT GIVEN

Sampling Date:

06/03/2019

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Tamara Oldaker

Sample ID: BFC # 15 (H901937-22)

BTEX 8021B	mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/07/2019	ND	1.89	94.5	2.00	4.34	
Toluene*	<0.050	0.050	06/07/2019	ND	1.89	94.5	2.00	4.16	
Ethylbenzene*	<0.050	0.050	06/07/2019	ND	1.78	88.8	2.00	5.01	
Total Xylenes*	<0.150	0.150	06/07/2019	ND	5.40	90.0	6.00	5.66	
Total BTEX	<0.300	0.300	06/07/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIE	104	% 73.3-12	9						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2000	16.0	06/06/2019	ND	384	96.0	400	0.00	QM-07
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2019	ND	196	98.0	200	1.36	
DRO >C10-C28*	<10.0	10.0	06/05/2019	ND	194	97.1	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	06/05/2019	ND					
Surrogate: 1-Chlorooctane	104	% 41-142	?						
Surrogate: 1-Chlorooctadecane	107	% 37.6-14	7						

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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 SM4500CI-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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Received by OCD: 10/26/2020 4:21:11 PM

Released to Imaging: 9/15/2022 2:12:12 PM

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ct Manager: Bruce Baker ess: Unlarge conditions conditions conditions		
Unhalas common M. Ton Objusta		
Lalalas Charles MM Fine Con J B		
City: FODO		
Phone #: Fax #: Address:		
Project #: Project Owner: City:		
Project Name: State:	Zip:	
Project Location: (200) Feel Sui D#/ Phone #:		
Sampler Name: TOSO Lieckela Fax #:		
-	V. SAMPLING	
(G)RAB OR (C)OME # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	DATE	EXT TPA
100 4101	6/3/19 2:17 m	
	(12/2021	
3 We 33 PC	d:a3pa_1	The second secon
	2.25001	
	2'2 7m/	
•	2:25m -	
MC #9 Ishul) d.332n 1	
	2:3974	
9 38642) 2.136 Pb 1	
10 BF1 #3 (3) 1 1 1 2:38 16W	2:38 Pm 1	

Received By:

Guara.

Phone Result: Fax Result: REMARKS:

☐ Yes ☐ No Add'l Phone #:

F-mail Results

Sample Condition
Cool Intact
Pres Pres
No No

CHECKED BY: (Initials)



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: 100000	B1	BILL TO	ANALYSIS	IS REQUEST
Project Manager: Buce Boeker	P.O. #:			
Address:	Company:			
600	State: NWZip: 88840 Attn:			
Phone #: Fax #:	Address:			
Project #: Project Owner:	City:			
Project Name:	State:	Zip:		
Project Location: (May Food Swil) #	Phone #:			
Sampler Name: Total Licela	Fax #:			
FOR LAB USE ONLY	MATRIX PRESERV	SAMPLING	-	
	RS		<i>TP,</i>	
Lab I.D. Sample I.D.	(G)RAB OR (# CONTAINE GROUNDW/ WASTEWAT SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	DATE TIME	ExT Bte,	
136649		6-3-19 2:4BK	1	
12 BEC 45	6	/ 2/42		
13 BFC #4	6	2:44		
14887	61	1 2:46		
15 0000	6 -	2:48		
16 BEC#9	- 0	2:50 1		
17 BFCHIO	6 -	2;52 1		
18 38 31		(2:54 [
19 3 12 12	6 1 1	2/56		
20 BFC#13	6 (1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2:58		
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Sinal be liable for incidental or out of or related to the perfect	corsequental damages. Including without limitation, business interruptions, loss of use, or loss of profits incured by client, its subsidence where of services hereunder by Cardinal regardless of whether such claim is based was any of the above stated tessore or otherwise.	rolls incurred by client, its subsidianes. he above staind reasons or otherwise.		
Relinquished By: Date: 2 / 9	Received By:	Thone Result:	Type I No Add Fav #:	10 77

Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Relinquished By:	Sole (Xuak	0.	Relinguished 8x:	affiliates or successors arrang out of or related to the performance
0 70	Time:	Date:	90: 26wil	1-3-17	Date: , o	e of services hereunder by C
Sample Condition CHECKED BY: Cool Intact (Initials)		Received By:	Jamara Wildat sel	1	Received By:	and not reported of whiteher such claim is based was any billine above stated reasons or otherwise
			REMARKS:	Fax Result:	Phone Result:	easons or curerwise.
	7	1)		□ Yes	□ Yes	
	5	AX~~/		O No	I) No	
	(SUNS	7		Add'l Fax #:	Add'l Phone #:	



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Se Spac 60	BILL TO	ANALYSIS REQUEST
Project Manager: Buch Rok	P.O. #:	
Address:	Company:	
City: Hobbs State: M Zip: 88246	Ľ	
Phone #: Fax #:	Address:	
Project #: Project Owner:	City:	
Project Name:	State: Zip:	
Project Location: (NO FROT SWID #1	Phone #:	
Sampler Name: Son Adoles R	Fax#:	
	MATRIX PRESERV SAMPLING	
IG)RAB OR (C)OMP# CONTAINERS GROUNDWATER WASTEWATER	SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: DATE	CL EXT TP B Tex
8 FC #14 6 1		
1	3:02/4	
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	(()	

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Received by:	Phone Result: Li Yes Li No Add Phone #:
	Fax Result: ☐ Yes ☐ No Add'I Fax #:
Jamara Wilderbul	RIMARKS:
Received By:	
	F MOIL ESCITS
Sample Condition CHECKED BY:	
Cool Intact (Initials)	
No V	
	the Condition ple Condition was Erres



July 25, 2017

JENNIFER VAN CUREN ARCADIS U.S., INC. 2999 OAK ROAD, SUITE 300 WALNUT CREEK, CA 94597

RE: CEDAR LAKE CA 901

Enclosed are the results of analyses for samples received by the laboratory on 07/21/17 12:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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/ga/lab accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ARCADIS U.S., INC.
JENNIFER VAN CUREN
2999 OAK ROAD, SUITE 300
WALNUT CREEK CA, 94597
Fax To: NOT GIVEN

Received: 07/21/2017 Reported: 07/25/2017

Project Name: CEDAR LAKE CA 901
Project Number: NONE GIVEN

Project Location: APACHE - EDDY CO

Sampling Date: 07/21/2017

Sampling Type: Soil

Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: SP1 0' CALICHE (H701904-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/21/2017	ND	1.70	84.9	2.00	0.501	
Toluene*	0.050	0.050	07/21/2017	ND	1.78	89.1	2.00	0.229	
Ethylbenzene*	0.116	0.050	07/21/2017	ND	1.97	98.6	2.00	0.535	
Total Xylenes*	<0.150	0.150	07/21/2017	ND	5.90	98.4	6.00	0.304	
Total BTEX	<0.300	0.300	07/21/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 72-148	,						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16400	16.0	07/24/2017	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/24/2017	ND	183	91.6	200	1.25	
DRO >C10-C28	94.1	10.0	07/24/2017	ND	189	94.3	200	0.539	
Surrogate: 1-Chlorooctane	87.2	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	88.5	% 34.7-15	7						

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Celey D. Keine



Analytical Results For:

ARCADIS U.S., INC.
JENNIFER VAN CUREN
2999 OAK ROAD, SUITE 300
WALNUT CREEK CA, 94597
Fax To: NOT GIVEN

Received: 07/21/2017 Reported: 07/25/2017

Project Name: CEDAR LAKE CA 901
Project Number: NONE GIVEN
Project Location: APACHE - EDDY CO

Sampling Date: 07/21/2017

Sampling Type: Soil

Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: SP1 1' SAND (H701904-02)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/21/2017	ND	1.70	84.9	2.00	0.501	
Toluene*	0.247	0.050	07/21/2017	ND	1.78	89.1	2.00	0.229	
Ethylbenzene*	0.254	0.050	07/21/2017	ND	1.97	98.6	2.00	0.535	
Total Xylenes*	0.263	0.150	07/21/2017	ND	5.90	98.4	6.00	0.304	
Total BTEX	0.764	0.300	07/21/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 72-148							
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	07/24/2017	ND	448	112	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/24/2017	ND	183	91.6	200	1.25	
DRO >C10-C28	<10.0	10.0	07/24/2017	ND	189	94.3	200	0.539	
Surrogate: 1-Chlorooctane	76.6	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	76.7	% 34.7-15	7						

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Celey D. Keene



Analytical Results For:

ARCADIS U.S., INC.
JENNIFER VAN CUREN
2999 OAK ROAD, SUITE 300
WALNUT CREEK CA, 94597
Fax To: NOT GIVEN

Received: 07/21/2017 Reported: 07/25/2017

Project Name: CEDAR LAKE CA 901
Project Number: NONE GIVEN
Project Location: APACHE - EDDY CO

Sampling Date: 07/21/2017 Sampling Type: Soil

Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: SP2 0' CALICHE (H701904-03)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/21/2017	ND	1.70	84.9	2.00	0.501	
Toluene*	0.579	0.050	07/21/2017	ND	1.78	89.1	2.00	0.229	
Ethylbenzene*	1.33	0.050	07/21/2017	ND	1.97	98.6	2.00	0.535	
Total Xylenes*	1.65	0.150	07/21/2017	ND	5.90	98.4	6.00	0.304	
Total BTEX	3.56	0.300	07/21/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 72-148	}						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10000	16.0	07/24/2017	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	40.1	10.0	07/24/2017	ND	183	91.6	200	1.25	
DRO >C10-C28	333	10.0	07/24/2017	ND	189	94.3	200	0.539	
Surrogate: 1-Chlorooctane	89.2	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	95.7	% 34.7-15	7						

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Celey D. Keene



Analytical Results For:

ARCADIS U.S., INC.
JENNIFER VAN CUREN
2999 OAK ROAD, SUITE 300
WALNUT CREEK CA, 94597
Fax To: NOT GIVEN

Received: 07/21/2017 Sampling Date: 07/21/2017

Reported: 07/25/2017 Sampling Type: Soil Project Name: CEDAR LAKE CA 901 Sampling Condition: **(

Project Name: CEDAR LAKE CA 901 Sampling Condition: ** (See Notes)
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: APACHE - EDDY CO

Sample ID: SP2 1' SAND (H701904-04)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/21/2017	ND	1.70	84.9	2.00	0.501	
Toluene*	<0.050	0.050	07/21/2017	ND	1.78	89.1	2.00	0.229	
Ethylbenzene*	<0.050	0.050	07/21/2017	ND	1.97	98.6	2.00	0.535	
Total Xylenes*	<0.150	0.150	07/21/2017	ND	5.90	98.4	6.00	0.304	
Total BTEX	<0.300	0.300	07/21/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 %	6 72-148							
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1120	16.0	07/24/2017	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/24/2017	ND	190	95.0	200	0.548	
DRO >C10-C28	63.4	10.0	07/24/2017	ND	199	99.5	200	1.17	
Surrogate: 1-Chlorooctane	93.5 %	28.3-16	4						
Surrogate: 1-Chlorooctadecane	94.8 %	% 34.7-15	7						

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Analytical Results For:

ARCADIS U.S., INC.
JENNIFER VAN CUREN
2999 OAK ROAD, SUITE 300
WALNUT CREEK CA, 94597
Fax To: NOT GIVEN

Received: 07/21/2017 Reported: 07/25/2017

Project Name: CEDAR LAKE CA 901
Project Number: NONE GIVEN
Project Location: APACHE - EDDY CO

Sampling Date: 07/21/2017

Sampling Type: Soil

Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: SP3 0' SAND (H701904-05)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	6.45	5.00	07/21/2017	ND	1.70	84.9	2.00	0.501	
Toluene*	140	5.00	07/21/2017	ND	1.78	89.1	2.00	0.229	
Ethylbenzene*	213	5.00	07/21/2017	ND	1.97	98.6	2.00	0.535	
Total Xylenes*	224	15.0	07/21/2017	ND	5.90	98.4	6.00	0.304	
Total BTEX	583	30.0	07/21/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 72-148	}						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9200	16.0	07/24/2017	ND	448	112	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	2690	50.0	07/24/2017	ND	190	95.0	200	0.548	
DRO >C10-C28	10700	50.0	07/24/2017	ND	199	99.5	200	1.17	
Surrogate: 1-Chlorooctane	165 9	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	247	% 34.7-15	7						

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Analytical Results For:

ARCADIS U.S., INC.
JENNIFER VAN CUREN
2999 OAK ROAD, SUITE 300
WALNUT CREEK CA, 94597
Fax To: NOT GIVEN

Received: 07/21/2017 Reported: 07/25/2017

Project Name: CEDAR LAKE CA 901
Project Number: NONE GIVEN

Project Location: APACHE - EDDY CO

Sampling Date: 07/21/2017

Sampling Type: Soil

Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: SP3 1' SAND (H701904-06)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/21/2017	ND	1.70	84.9	2.00	0.501	
Toluene*	0.079	0.050	07/21/2017	ND	1.78	89.1	2.00	0.229	
Ethylbenzene*	0.088	0.050	07/21/2017	ND	1.97	98.6	2.00	0.535	
Total Xylenes*	<0.150	0.150	07/21/2017	ND	5.90	98.4	6.00	0.304	
Total BTEX	<0.300	0.300	07/21/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 %	% 72-148	}						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4560	16.0	07/24/2017	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/24/2017	ND	190	95.0	200	0.548	
DRO >C10-C28	16.0	10.0	07/24/2017	ND	199	99.5	200	1.17	
Surrogate: 1-Chlorooctane	93.1	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	93.5	% 34.7-15	7						

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Notes and Definitions

S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.

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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Celeg D. Keene

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476	ANAL VEIC	RECUEST
Company Name: M. B. A.	BILL TO	
Project Manager: William Kuntuken	P.O.#	
Address:	Company: Space or	
City: State: Zip:	Attn: Melle	
Phone #: Fax #:	Address:	
Project #: Project Owner:	City:	
Project Name: Walle Jake 14 901	State: Zip:	
Project Location: The Gulfy	Phone #:	
Injuria Manni Canina Mark Man Man	Fax#:	
Sampler Name: MWWAM WWW.CG CV	MATRIX PRESERV. SAMPLING	
S	Y	
Lab I.D. Sample I.D. (G) RAB OR (C) # CONTAINER	GROUNDWAT WASTEWATER SOIL OOIL SLUDGE OTHER: ACID/BASE: ICE/COOL OTHER: DATE TIME	
- #	7.11 LIVEL X	
SPITI Source	1 1 1 2 1 1 2	
3 SYL 0' Yakow 9	1 X 11.22 X X X	
5883 0' Sand 61	2 1:29 + 1 +	
6	7 11:11	
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Relinquished By: Time; Time;	Received By: Received By: Remarks: Yes No Add'I Phone #:	
Relinquished By: Date: 7 Recei	P	
331.65	Cool Intact Tyes Yes	lab Joon feels
Sampler - UPS - Bus - Other: / Strall of 30, 30	PINO NO VENTO VINO	

Page 9 of 9



October 09, 2020

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: CEDAR LAKE FED COM #901

Enclosed are the results of analyses for samples received by the laboratory on 10/08/20 15:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Fax To: (575) 393-2432

Received: 10/08/2020 Sampling Date: 10/08/2020

Reported: 10/09/2020 Sampling Type: Soil

Project Name: CEDAR LAKE FED COM #901 Sampling Condition: Cool & Intact
Project Number: CEDAR LAKE 901H Sample Received By: Tamara Oldaker

Analyzed By: ms

Project Location: NOT GIVEN

mg/kg

Sample ID: B 1 @ SURFACE (H002686-01)

BTEX 8021B

	91	9							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/08/2020	ND	1.97	98.5	2.00	0.824	
Toluene*	<0.050	0.050	10/08/2020	ND	2.00	100	2.00	2.09	
Ethylbenzene*	<0.050	0.050	10/08/2020	ND	1.92	95.9	2.00	1.83	
Total Xylenes*	<0.150	0.150	10/08/2020	ND	5.58	93.0	6.00	0.485	
Total BTEX	<0.300	0.300	10/08/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/09/2020	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/09/2020	ND	203	101	200	5.93	
DRO >C10-C28*	549	10.0	10/09/2020	ND	202	101	200	11.0	
EXT DRO >C28-C36	128	10.0	10/09/2020	ND					
Surrogate: 1-Chlorooctane	124	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	158	% 42.2-15	6						

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Analytical Results For:

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

Received: 10/08/2020 Sampling Date: 10/08/2020

Reported: 10/09/2020 Sampling Type: Soil

Project Name: CEDAR LAKE FED COM #901 Sampling Condition: Cool & Intact
Project Number: CEDAR LAKE 901H Sample Received By: Tamara Oldaker

Analyzed By: me

Project Location: NOT GIVEN

Sample ID: B 2 @ SURFACE (H002686-02)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/08/2020	ND	1.97	98.5	2.00	0.824	
Toluene*	<0.050	0.050	10/08/2020	ND	2.00	100	2.00	2.09	
Ethylbenzene*	<0.050	0.050	10/08/2020	ND	1.92	95.9	2.00	1.83	
Total Xylenes*	<0.150	0.150	10/08/2020	ND	5.58	93.0	6.00	0.485	
Total BTEX	<0.300	0.300	10/08/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.4	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	10/09/2020	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/09/2020	ND	203	101	200	5.93	
DRO >C10-C28*	15.0	10.0	10/09/2020	ND	202	101	200	11.0	
EXT DRO >C28-C36	<10.0	10.0	10/09/2020	ND					
Surrogate: 1-Chlorooctane	112	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	122	% 42.2-15	6						

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Celey D. Keine



Analytical Results For:

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

Fax To: (575) 393-2432

Received: 10/08/2020 Sampling Date: 10/08/2020

Reported: 10/09/2020 Sampling Type: Soil

Project Name: CEDAR LAKE FED COM #901 Sampling Condition: Cool & Intact
Project Number: CEDAR LAKE 901H Sample Received By: Tamara Oldaker

Analyzed By: me

Project Location: NOT GIVEN

Sample ID: B 3 @ SURFACE (H002686-03)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/08/2020	ND	1.97	98.5	2.00	0.824	
Toluene*	<0.050	0.050	10/08/2020	ND	2.00	100	2.00	2.09	
Ethylbenzene*	<0.050	0.050	10/08/2020	ND	1.92	95.9	2.00	1.83	
Total Xylenes*	<0.150	0.150	10/08/2020	ND	5.58	93.0	6.00	0.485	
Total BTEX	<0.300	0.300	10/08/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.6	% 73.3-12	9						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	10/09/2020	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/09/2020	ND	203	101	200	5.93	
DRO >C10-C28*	<10.0	10.0	10/09/2020	ND	202	101	200	11.0	
EXT DRO >C28-C36	<10.0	10.0	10/09/2020	ND					
Surrogate: 1-Chlorooctane	118	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	126	% 42.2-15	6						

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Notes and Definitions

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch

accepted based on LCS and/or LCSD recovery and/or RPD values.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- 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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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

(0/0) 000-2020 TAN (0/0) 000-24/0				
Company Name: Wache Corporation		BILL TO		ANALYSIS REQUEST
Project Manager: Bruce Baker	9	P.O. #:		
Address:	C	Company:		
City: State:	Zip: A	Attn:		
Phone #: Fax #:	A	Address:		
Project #: Project Owner:		City:		
Project Name: CEDAR LAKE 901H	S	State: Zip:		
On: CEDAR LAKE	P	Phone #:		
JEST Brown	F	Fax #:		
	MATRIX	PRESERV. SAMPLING	16	
Lab I.D. Sample I.D.	DWATER WATER	SE: OL		
4002186	# CONT	ACID/B/ ICE / CO OTHER	CL Bre	
-	<	10/8/20	1238 1 1 1	
	<		1240 / / /	
3 83 @ Surface	<	10/8/10	1242	
		to a shall be limited to the appearance of the state of t	by the elient for the	-
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or fort, shall be limited to the amount past by the circuit or the 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 30 days after completion of the applicable service, in no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, service, in no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, service. In no event shall cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, service. In no event shall be about the consequence of otherwise.	ny claim arising whether based in contract or beemed waived unless made in writing and re without limitation, business interruptions, loss without limitation, during the property of the without limitation of the business of the without limitation of the business of the limitation of the business of the limitation of the business of the limitation of limitation of limitati	tort, shall be limited to the amount paid ceived by Cardinal within 30 days after s of use, or loss of profits incurred by climated in the above stated to a control to the	by the creen for the completion of the applicable lent, its subsidiaries,	
Received By:	Received By:	00001	Phone Result:	Add'l Phone #: Add'l Fax #:
Relinquished By: Date:	Received By:	dator	Rush Sam	
Time:				
Delivered By: (Circle One)		CH.		
Sampler - UPS - Bus - Other: 2/c #/13		7		

Page 6 of 6



October 16, 2020

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: CEDAR LAKE 901H

Enclosed are the results of analyses for samples received by the laboratory on 10/15/20 16:21.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Wite Sough

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,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 10/15/2020 Sampling Date: 10/15/2020 Reported: 10/16/2020 Sampling Type: Soil

Project Name: CEDAR LAKE 901H Sampling Condition: Cool & Intact Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: W 1 (H002751-01)

BTEX 8021B	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.126	0.050	10/16/2020	ND	1.92	96.2	2.00	2.84	
Toluene*	0.339	0.050	10/16/2020	ND	1.97	98.4	2.00	1.51	
Ethylbenzene*	0.066	0.050	10/16/2020	ND	1.89	94.5	2.00	1.49	
Total Xylenes*	<0.150	0.150	10/16/2020	ND	5.40	90.0	6.00	3.33	
Total BTEX	0.661	0.300	10/16/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.4	% 73.3-12	9						
Chloride, SM4500Cl-B mg/kg		Analyze	d By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/16/2020	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2020	ND	227	113	200	3.72	
DRO >C10-C28*	<10.0	10.0	10/16/2020	ND	219	110	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	10/16/2020	ND					
Surrogate: 1-Chlorooctane	87.5	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	85.7	% 42.2-15	6						

Cardinal Laboratories *=Accredited Analyte

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with Sigh



Analytical Results For:

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

Received: 10/15/2020 Sampling Date: 10/15/2020

Reported: Sampling Type: Soil 10/16/2020

Project Name: CEDAR LAKE 901H Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: NONE GIVEN

Project Location: NOT GIVEN

Sample ID: W 2 (H002751-02)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/16/2020	ND	1.92	96.2	2.00	2.84	
Toluene*	<0.050	0.050	10/16/2020	ND	1.97	98.4	2.00	1.51	
Ethylbenzene*	<0.050	0.050	10/16/2020	ND	1.89	94.5	2.00	1.49	
Total Xylenes*	<0.150	0.150	10/16/2020	ND	5.40	90.0	6.00	3.33	
Total BTEX	<0.300	0.300	10/16/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.4	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/16/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2020	ND	227	113	200	3.72	
DRO >C10-C28*	11.4	10.0	10/16/2020	ND	219	110	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	10/16/2020	ND					
Surrogate: 1-Chlorooctane	83.3	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	81.0	% 42.2-15	6						

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Analytical Results For:

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

Received: 10/15/2020 Sampling Date: 10/15/2020

Reported: Sampling Type: Soil 10/16/2020

Project Name: CEDAR LAKE 901H Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: NONE GIVEN

Project Location: NOT GIVEN

Sample ID: W 3 (H002751-03)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/16/2020	ND	1.92	96.2	2.00	2.84	
Toluene*	<0.050	0.050	10/16/2020	ND	1.97	98.4	2.00	1.51	
Ethylbenzene*	< 0.050	0.050	10/16/2020	ND	1.89	94.5	2.00	1.49	
Total Xylenes*	<0.150	0.150	10/16/2020	ND	5.40	90.0	6.00	3.33	
Total BTEX	<0.300	0.300	10/16/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 %	6 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/16/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2020	ND	212	106	200	0.436	
DRO >C10-C28*	<10.0	10.0	10/16/2020	ND	217	109	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	10/16/2020	ND					
Surrogate: 1-Chlorooctane	91.69	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	101 9	6 42.2-15	6						

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with Sigh



Analytical Results For:

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

ma/ka

Received: 10/15/2020 Sampling Date: 10/15/2020 Soil

Reported: Sampling Type: 10/16/2020

Project Name: CEDAR LAKE 901H Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: NONE GIVEN

Analyzed By: me

Project Location: NOT GIVEN

Sample ID: W 4 (H002751-04)

RTFY 8021R

Result								
	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<0.050	0.050	10/16/2020	ND	1.92	96.2	2.00	2.84	
<0.050	0.050	10/16/2020	ND	1.97	98.4	2.00	1.51	
<0.050	0.050	10/16/2020	ND	1.89	94.5	2.00	1.49	
<0.150	0.150	10/16/2020	ND	5.40	90.0	6.00	3.33	
<0.300	0.300	10/16/2020	ND					
99.1	% 73.3-12	9						
mg/	'kg	Analyze	d By: AC					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<16.0	16.0	10/16/2020	ND	416	104	400	0.00	
mg/	'kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	10/16/2020	ND	212	106	200	0.436	
<10.0	10.0	10/16/2020	ND	217	109	200	1.07	
<10.0	10.0	10/16/2020	ND					
91.7	% 44.3-14	4						
102 9	% 42.2-15	6						
	<0.050 <0.050 <0.050 <0.150 <0.300 99.15 mg/ Result <16.0 mg/ Result <10.0 <10.0 <91.75	<0.050 <0.050 <0.050 <0.050 <0.050 <0.150 <0.300 99.1 % 73.3-12 mg/kg Result Reporting Limit <16.0 16.0 mg/kg Result Reporting Limit <16.0 10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <td><0.050</td> 0.050 10/16/2020 <0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050

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with Sigh



Analytical Results For:

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

Fax To: (575) 393-2432

Received: 10/15/2020 Sampling Date: 10/15/2020

Reported: 10/16/2020 Sampling Type: Soil

Project Name: CEDAR LAKE 901H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: me

Project Location: NOT GIVEN

ma/ka

Sample ID: B 1 @ 4' (H002751-05)

RTFY 8021R

BIEX 8021B	mg	/кд	Analyze	a By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/16/2020	ND	1.92	96.2	2.00	2.84	
Toluene*	<0.050	0.050	10/16/2020	ND	1.97	98.4	2.00	1.51	
Ethylbenzene*	<0.050	0.050	10/16/2020	ND	1.89	94.5	2.00	1.49	
Total Xylenes*	<0.150	0.150	10/16/2020	ND	5.40	90.0	6.00	3.33	
Total BTEX	<0.300	0.300	10/16/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.1	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/16/2020	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2020	ND	212	106	200	0.436	
DRO >C10-C28*	21.2	10.0	10/16/2020	ND	217	109	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	10/16/2020	ND					
Surrogate: 1-Chlorooctane	93.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	108	% 42.2-15	6						

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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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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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

	(3/3) 333-2320 FAX (3/3) 333-24/0			ALVEIG DECLIEST
Company Name:	PAPACHE COMPORATION	BILL	10	ANALTOIS REGOES!
Project Manager:	Bruce Caker	P.O. #:		
Address:		Company:		
City:	State: Zip:	o: Attn:		
Phone #:	Fax #:	Address:		
Project #:	Project Owner:	City:		
Project Name:	CEDAK LAKE 901 H	State: Zip:	0:	
Project Location:	CEDAN LAKE GOI #	Phone #:		
Sampler Name:	JEPF Bruss	Fax #:		
FOR LAB USE ONLY	1P.	MATRIX PRESERV.	SAMPLING	
Lab I.D.	Sample I.D.	ONTAINERS OUNDWATER STEWATER	CL- 3 <i>TEX</i> EXT, TPH	
HODATSI	(G)R	# CO GRO WAS SOIL OIL SLU OTH ACII		
7 /	27	10	18/20 1030	
n u	1		1034	
	Y	<	1036	
Vt.	2 82014,		white was	
PLEASE NOTE: Liability and D analyses. All claims including to service. In no event shall Cardinal fideless or successors arising o	PLEASE NOTE: Liability and Damages. Cardinat's liability and client's exclusive remety for any claim arising whether based in contract or fort, shall be limited to the amount past by the curer to remember analyses. All claims including those for negligence and any other cause whatsoever shall be deemed walved unless made in writing and received by Cardinal within 30 days after completion of the applicable service, in no event half 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, services, in no event half 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, services and the consequence of the co	int's exclusive remety for any claim arising whether based in contract or fort, shall be limited to the amount past by the centrics reasses whatsoever shall be deemed waked unless made in writing and received De Cardinal within 30 days after completion of this quental damages, including without limitation, busiess interruptions, loss of use, or loss of profits nourred by claims this subsidiarial damages, including without limitation, busiess interruptions, loss of use, or loss of profits nourred by claims as the subsidiarial control of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	pplicable	
Relinquished By:	Date: 14/5/20 R	Received By:	are emailed. Please provi	de Email address:
Relinquished By:		Received By:	REMARKS:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Ile One) Observed Temp. °C 30	Sample Condition CHECKED BY: Cool Intact (Initials)	DBY: Turnaround Time: Standard Standard Rush Standard Themometer ID #97 To #4/3	Bacteria (only) S Cool Intact Pes Yes
Campion				

Crow Federal SWD # 001 (GPS 32.85386 -103.86825) Photos



Photo of excavation facing southwest 11/15/2018



Photo of excavation facing south 11/15/2018

Received by OCD: 10/26/2020 4:21:11 PM



Photo of excavation facing east 11/15/2018

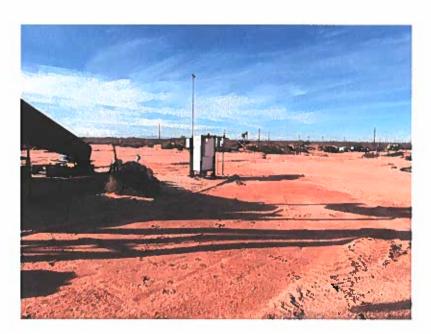


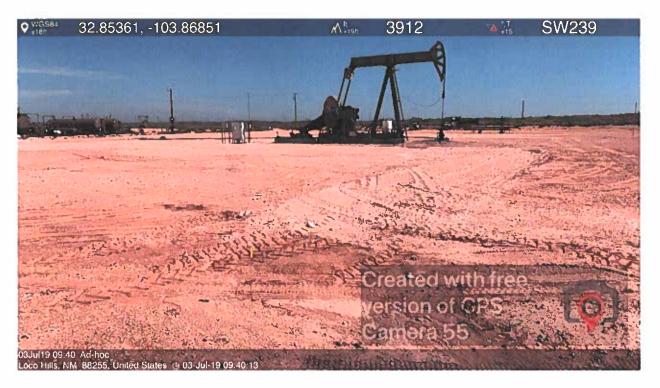
Photo of excavation facing south west 11/15/2018



Photo of the excavation facing south 11/15/2018

Crow Federal Photo Page











Received by OCD: 10/26/2020 4:21:11 PM

BFC #5

Flow

```
# Some 3 2019 Crow Fed SWD #1 well samp 1 lamps 17
wc#1@1' 32.8538156 103 968 4553
                    269=3495 X
11.2/30 2 1.30
WC #2 01' 32.853 5280 · 103 · 8685734
               0.23 2.67 7 613 x
11.3 /30.2
WC+301' 32.893 4464 -103.868 4475
                          2.73 = 1501 ×
               0.55
11-0 /30-1
WC #401 32:8532957-103.9682214
                      2.72 = 4622 ×
11.0/300
              1,70
WC #5@1' 32. 853 6164 -103 8683688
11.1/30.1 grater 2.0 2.71 =
                                     X
WL 8606" 32.8540038-103.8683175
                          2.68 = 4k61 x
11.2/30.1 1.74
WC 84 Island 32.853 6959 -103.8683138
11.0/30.2 0.75 2.74 = 2,054 x
BFC #9 32-853 5075 -103. 8684745
BEC#10 32.8534880-103 8683111
BFC #11 32.8533504, -103.8682833
BFCHA 32-853 3537 -103.8682755
        32.853 50 44 - 103. 868.7164
BFC#13
BFC +14
        32-853.4940 - 103.468 2049
 BPC#15
        32-8535275 -103.8688720
        32, 95348, -103.86857
 BFC #8
        32. 83537, -143. 86847
 BFC #7
         32. 85355, -103. 86836
BFC #6
```

32.85362, -103.86841

Received by OCD: 10/26/2020 4:21:11 PM

BFC 5 32.85367; -102.86834 BFC 3 32.85375, -103.86834 BFC 2 32.85375, -103.86824 BFC 2 32.85377, -103.86821 BFC 2 32.85381, -103.86821

Released to Imaging: 9/15/2022 2:12:12 PM

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 10851

CONDITIONS

Operator:	OGRID:
APACHE CORPORATION	873
303 Veterans Airpark Ln	Action Number:
Midland, TX 79705	10851
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By		Condition Date
bhall	None	9/15/2022