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 Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

			Respo	onsible Part	y		
Responsible	Party Apa	che Corporati	on	OGRID 8	373		
Contact Nam				Contact T	elephone 432-	-631-6982	2
Contact ema	• •	aker@apache	corp.com	Incident #	(assigned by OCD)		
Contact mail			s Airpark Lane	Midland, TX	79705		
				of Release S			_
Latitude	32.59	132	(NAD 83 in deci	Longitude mal degrees to 5 decid		03.12116	
Site Name	Melot # 3			Site Type	oil well		
Date Release	Discovered	9/14/2020			plicable) 30-025	5-39458	(Note: GPS is associated
Unit Letter	Section	Township	Range	Cou			with the physical location of release not the well
С	11	20S	38E	Le	а		location).
Surface Owne	r: State	☐ Federal ☐ Tr	ibal 🔽 Private (N	ame: DK & J S	Services LLC	/ Zamora	Giovann_)
			Nature and				
Crude Oi		(s) Released (Select al	that apply and attach c	alculations or specific	justification for the	volumes provid	led below)
✓ Produced			d (bbls) 2 barrel		Volume Reco		
∠ Produced	water		d (bbls) 5.5 barre		Volume Reco		0 barrels
		produced water	ion of dissolved ch >10,000 mg/l?	ioride in the	Yes No	0	
Condensa	ite	Volume Release	d (bbls)		Volume Recov	vered (bbls)	
Natural G	ias	Volume Release	d (Mcf)		Volume Recov	vered (Mcf)	
Other (de	scribe)	Volume/Weight	Released (provide	units)	Volume/Weig	ht Recovere	d (provide units)
Cause of Rel	ease The	poly flow line	was damaged	by what app	ears to be a l	bullet hole	9.

Received by OCD:	12/10/2020 1:31:12 PM
Form C-141	State of New Mexico
Page 2	Oil Conservation Division

	Page 2 of	49
Incident ID		
District RP		
Facility ID		
Application ID		

Was this a major release as defined by	n(s) does the responsible party consider this a major release?
19.15.29.7(A) NMAC?	
☐ Yes ☑ No	
If VES, was immediate notice given to the OCD?	By whom? To whom? When and by what means (phone, email, etc)?
in 125, was infinediate notice given to the OCD:	By whom: To whom: When and by what hearts (phone, email, etc):
	Initial Response
The responsible party must undertake the follow	wing actions immediately unless they could create a safety hazard that would result in injury
✓ The source of the release has been stopped.	
☐ The impacted area has been secured to protect	t human health and the environment.
Released materials have been contained via the	ne use of berms or dikes, absorbent pads, or other containment devices.
All free liquids and recoverable materials hav	e been removed and managed appropriately.
If all the actions described above have <u>not</u> been un	ndertaken, explain why:
has begun, please attach a narrative of actions to	y may commence remediation immediately after discovery of a release. If remediation date. If remedial efforts have been successfully completed or if the release occurred A)(5)(a) NMAC), please attach all information needed for closure evaluation.
regulations all operators are required to report and/or fit public health or the environment. The acceptance of a failed to adequately investigate and remediate contamin	and complete to the best of my knowledge and understand that pursuant to OCD rules and le certain release notifications and perform corrective actions for releases which may endanger C-141 report by the OCD does not relieve the operator of liability should their operations have nation that pose a threat to groundwater, surface water, human health or the environment. In elieve the operator of responsibility for compliance with any other federal, state, or local laws
Printed Name: Larry Baker	Title: Environmental Tech SR.
Signature: Larry Baker	Title: Environmental Tech SR. Date: 9/21/2020 Telephone: 432-631-6982
email: _larry.baker@apachecorp.com	Telephone: 432-631-6982
OCD Only	
Received by:	Date:

Volume Calculation

134 cubic feet of soil contamination X 7.48 gallons per cubic foot = 1,002 gallons/42 gallons to a barrel= 23 barrels X .33 soil porosity= 7.5 barrels.



Remediation Plan

December 10, 2020

Re: Melot #3

Case # NRM2026942243

Background:

On 09/14/2020 a release occurred on a 3" flow line due to being punctured by a bullet resulting in the loss of oil and produced water. The release (GPS: 32.59132, -103.12116) is located south of Hobbs, NM in unit letter C section 11 township 20S range 38E. A groundwater survey was conducted utilizing the NMOSE wells of record. The nearest well suggest that groundwater beneath the release is 43 feet.

On 12/2/2020 vertical delineation was conducted utilizing a backhoe. Samples were collected in one-foot intervals. SP 1, SP 2, SP 4, and SP 5 were advanced to a depth of 3 feet and SP 3 was advanced to a depth of 4 feet. All samples collected were submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. On 12/2/2020 surface horizontal 5-point composite samples not to exceed 200 square feet were collected and submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX.

On 12/9/2020 vertical delineation was conducted utilizing a backhoe at SP 5. Samples were collected in one-foot intervals. SP 5 was advanced to a depth of 6 feet. All samples collected were submitted to a commercial laboratory for analysis of TPH and BTEX.

Remediation Plan:

Apache Corporation proposes that the area around SP 1, SP 2, and SP 4 be excavated to a depth of 3 feet. The area around SP 4 be excavated to a depth of 4 foot. The area around SP 5 be excavated to a depth 6 feet. All excavated material (330 yards) will be hauled to an NMOCD approved facility. After the excavation is complete final 5-point bottom and wall composite samples will be collected not to exceed 200 square feet and submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. Once analytical data confirms that the excavation meet table 1 standards for releases less than 50 feet to groundwater the excavation will be backfilled with clean imported topsoil. The remediation will be completed within 90 days of NMOCD approval of the plan.

Enclosed: C-141, Groundwater data, Maps, Sample Data, Field Notes and Laboratory Results

Submitted by;

Received by OCD: 12/10/2020 1:31:12 PM

Environmental Technician III
Jeffrey.Broom@apachecorp.com
Cell# 432-664-4677



State of New Mexico Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Released to Imaging: 2/19/2021 11:02:31 AM

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?	43' (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 vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

<u>Cha</u>	tracterization Report Checklist: Each of the following items must be included in the report.
D: 12/10/2020 1:31:12 PM Comparison Com	Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. Field data Data table of soil contaminant concentration data Depth to water determination Determination of water sources and significant watercourses within 1/2-mile of the lateral extents of the release Boring or excavation logs Photographs including date and GIS information Topographic/Aerial maps Laboratory data including chain of custody site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan nethods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 1.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.



State of New Mexico Oil Conservation Division

Incident ID	NRM2026942243
District RP	
Facility ID	
Application ID	

Released to Imaging: 2/19/2021 11:02:31 AM

Thereby 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: Jeff Broom

Title: Environmental Tech III

Signature: Jeff Broom

Date: 12/10/2020

Telephone: 432.664.4677

Doct Only

Received by: Cristina Eads

Date: 12/10/2020

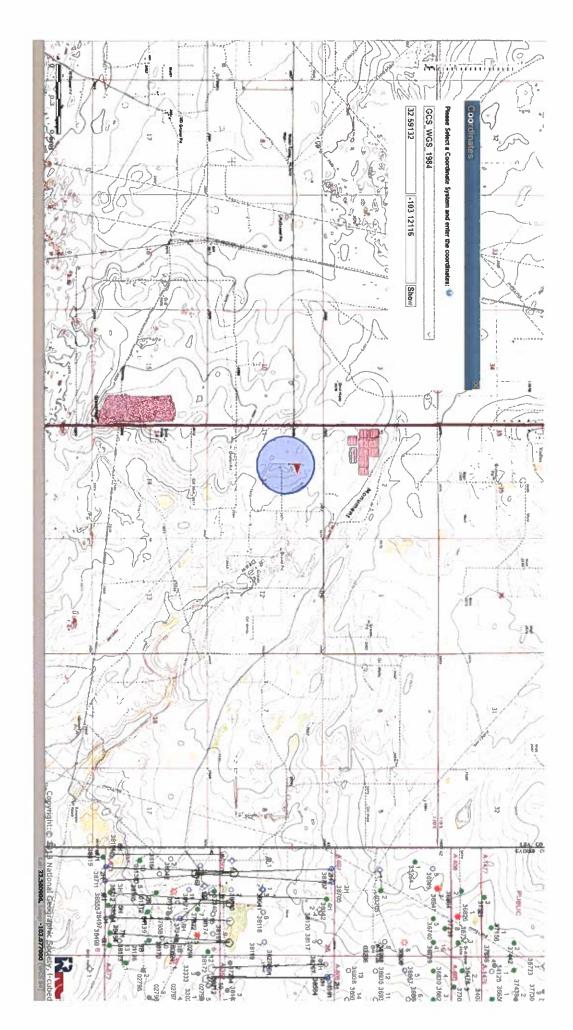


State of New Mexico Oil Conservation Division

Incident ID	NRM2026942243
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: Each of the following items must b	e included in the plan.
 ✓ Detailed description of proposed remediation technique ✓ Scaled sitemap with GPS coordinates showing delineation point ✓ Estimated volume of material to be remediated ✓ Closure criteria is to Table 1 specifications subject to 19.15.29. ✓ Proposed schedule for remediation (note if remediation plan times) 	2(C)(4) NMAC
Deferral Requests Only: Each of the following items must be con	firmed as part of any request for deferral of remediation.
Contamination must be in areas immediately under or around predeconstruction.	oduction equipment where remediation could cause a major facility
Extents of contamination must be fully delineated.	
Contamination does not cause an imminent risk to human health	n, the environment, or groundwater.
	e and remediate contamination that pose a threat to groundwater, acceptance of a C-141 report does not relieve the operator of
Printed Name: Jeff Broom	Title: Environmental Tech III
Signature: Oeff Broom	Date: 12/10/2020
email: Jeffrey.Broom@apachecorp.com	Telephone: 432.664.4677
OCD Only	
Received by: Cristina Eads	Date: 12/10/2020
Approved	Approval Denied Deferral Approved
Signature: Justu es	Date: 02/19/2021







New Mexico Office of the State Engineer Point of Diversion Summary

\$9	675888 3607659	675888	38E	1 1 11 20S 38E	11	,		L.J	L 14440 POD 1	206CF
K		×	Rng	Q64 Q16 Q4 Sec Tws Rng	Sec	Q	6	F90	POD Number	Well Tag
3	(NAD83 UTM in meters	(NADS3 U	~	quarters are smallest to largest	allest t	are sm	Tiers:	(qu		
		•	V +SE	(quarters are $1=NW 2=NE 3=SW 4=SE$)	部門		तब्दर य	erub)		

			Top Bottom	Тор	Casing Perforations:	Casing P	
	60 Sandstone Gravel Conglomerate	Sandstone Gr	60	43			
		Top Bottom Description	Bottom	Тор	tifications:	Water Bearing Stratifications:	Wate
43 feet	Depth Water:	60 feet	80	Well:	Depth Well:	6.00	Casing Size:
5 GPM	Estimated Yield: 5 GPM		če:	Pipe Discharge Size:	Pipe D		Pump Type:
Shallow	Source:			PCW Rev Date:	PCW:	05/10/2018	Log File Date:
	Plug Date:	04/28/2018	04	Drill Finish Date:	Drill F	04/25/2018	Drill Start Date:
				ER L.	E, KRISTOPF	GLASSPOOLE, KRISTOPHER L	Driller Name:
	A & K WATER WELL DRILLING	K WATER W		Driller Company:	Driller	1641	Driller License:

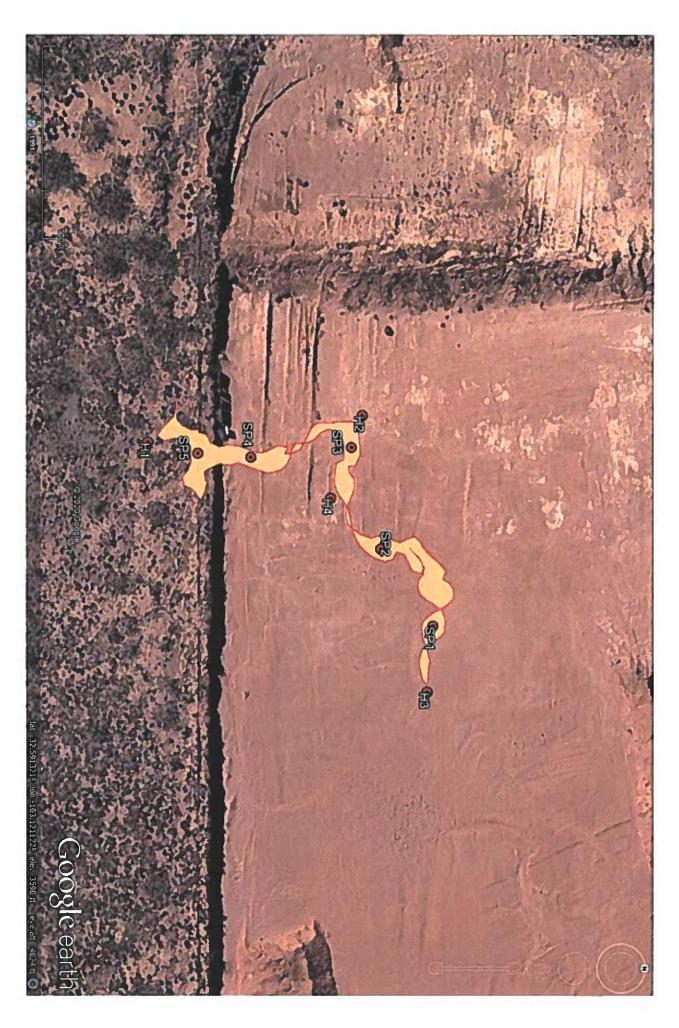
The data is furnished by the NMOSE ISC and is accepted by the recipient with the expressed understanding that the OSE ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

5

8

11/30/20 2:13 PM

POINT OF DIVERSION SUMMARY



	<10.0	39.2	<10.0	< 0.300	< 0.150	<0.050	<0.050	<0.050			ص ص	SP5 @ 6'	12/9/2020
	19.1	125.0	<10.0	<0.300	<0.150	<0.050	<0.050	<0.050			٥.	SP5 @ 5'	12/9/2020
	115	548	<10.0	<0.300	<0.150	<0.050	<0.050	<0.050			4	SP5 @ 4'	12/9/2020
	43	237	<10.0	<0.300	0.177	<0.050	<0.050	<0.050	208	436	ω	SP5 @ 3'	12/2/2020
										1,528	2'	SP5 @ 2'	12/2/2020
	21.5	76.1	<10.0	<0.300	<0.150	<0.050	<0.050	<0.050	7,860	7,053	1'	SP5 @ 1'	12/2/2020
32.591307 -103.121188	4,350	19,900	407	16.2	11.2	3.41	1.53	<0.050	7,600	6,994	Surface	SP5 @ Surface	12/2/2020
	<10.0	<10.0	<10.0	<0.300	<0.150	<0.050	<0.050	<0.050	64	206	ω	SP4@3'	12/2/2020
										744	2'	SP4 @ 2'	12/2/2020
	39.7	56.4	<10.0	<0.300	<0.150	<0.050	<0.050	<0.050	960	1,061	1'	SP4 @ 1'	12/2/2020
32.591382 -103.121182	3,170	11,800	<10.0	0.921	0.764	0.157	<0.050	<0.050	16,000	12,767	Surface	SP4 @ Surface	12/2/2020
	14.3	37.8	<10.0	<0.300	<0.150	<0.050	<0.050	<0.050	64	240	4'	SP3 @ 4'	12/2/2020
	84.8	352	<10.0	<0.300	<0.150	<0.050	<0.050	<0.050	1,570	1,616	ω	SP3 @ 3'	12/2/2020
						î				808	2'	SP3 @ 2'	12/2/2020
	15.2	79.0	<10.0	<0.300	<0.150	<0.050	<0.050	<0.050	6,320	5,548	1'	SP3 @ 1'	12/2/2020
32.591527 -103.121199	3,570	15,700	<10.0	0.41	0.356	0.054	<0.050	<0.050	10,900	7,667	Surface	SP3 @ Surface	12/2/2020
	<10.0	<10.0	<10.0	<0.300	<0.150	<0.050	<0.050	<0.050	192	323	ω	SP2 @ 3'	12/2/2020
										1,745	2'	SP2 @ 2'	12/2/2020
	44.8	715	14.1	<0.300	0.213	<0.050	<0.050	<0.050	8,930	7,502	1'	SP2 @ 1'	12/2/2020
32.591569 -103.121026	1,620	14,300	<10.0	0.388	0.323	0.065	<0.050	<0.050	22,400	13,495	Surface	SP2 @ Surface	12/2/2020
	<10.0	<10.0	<10.0	<0.300	<0.150	<0.050	<0.050	<0.050	208	299	3'	SP1 @ 3'	12/2/2020
										752	2'	SP1 @ 2'	12/2/2020
	<10.0	273	<10.0	<0.300	<0.150	<0.050	<0.050	<0.050	992	1,251	1'	SP1 @ 1'	12/2/2020
32.591645 -103.120894	1,760	12,200	<10.0	<0.300	<0.150	<0.050	<0.050	<0.050	11,300	8,032	Surface	SP1 @ Surface	12/2/2020
						Delineation Samples	Delineati						
32.591497 -103.121112	<10.0	<10.0	<10.0	<0.300	<0.150	<0.050	<0.050	<0.050	112	113	Surface	Н4	12/2/2020
32.591637 -103.120781	<10.0	<10.0	<10.0	<0.300	<0.150	<0.050	<0.050	<0.050	48	178	Surface	Н3	12/2/2020
32.591543 -103.121253	<10.0	<10.0	<10.0	<0.300	<0.150	<0.050	<0.050	<0.050	32	142	Surface	H2	12/2/2020
32.591236 -103.121206	<10.0	<10.0	<10.0	<0.300	<0.150	<0.050	<0.050	<0.050	<16.0	117	Surface	H1	12/2/2020
						Horizontal Samples	Horizont						
	⊢			втех	Xylenes	,			-	Chloride			Date
GPS Coordinates	EXT DRO	DRO	GRO	Total	Total	Ethybenzene	loulene	Benzene	Cilionate	766		ישווטוע זכ	Carriera



December 03, 2020

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: MELOT 3

Enclosed are the results of analyses for samples received by the laboratory on 12/02/20 13:40.

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.

Celeg 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

Received by OCD: 12/10/2020 1:31:12 PM

Lab Director/Quality Manager



Analytical Results For:

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

Fax To:

Received:

12/02/2020 12/03/2020

Project Name: Project Number: Project Location:

Reported:

MELOT 3 NONE GIVEN NOT GIVEN

Sampling Date:

Sampling Type: Soil

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

12/02/2020

Sample ID: H 1 @ SURFACE (H003155-01)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/03/2020	ND	2,12	106	2.00	4.42	
Toluene*	<0.050	0.050	12/03/2020	ND	2.01	101	2.00	4.82	
Ethylbenzene*	<0.050	0.050	12/03/2020	ND	2.09	105	2.00	4.82	
Total Xylenes*	<0.150	0.150	12/03/2020	ND	5.95	99.2	6.00	4.19	
Total BTEX	<0.300	0.300	12/03/2020	ND					
Surrogate: 4-Bromofluorobenzene (PH)	101	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	< 16.0	16.0	12/03/2020	ND	400	100	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	12/02/2020	ND	214	107	200	7.73	
DRO >C10-C28*	< 10.0	10.0	12/02/2020	ND	198	99.1	200	8.49	
EXT DRO >C28-C36	< 10.0	10.0	12/02/2020	ND					
Surrogate: 1-Chlorooctane	105	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	112	% 42.2-15	6						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinals liability and clients e-clusive remedy for any claim ansaig, whether based in contract or tort, shall be limited to the amount paid by cleen for analyses. All claims, including those for negigence and any other clause whatsoever shall be deemed waved unless made in which and received by Cardial within thirty (30) days after completion of the applicable winner. In no elect shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of use, or loss of profits included by client, its including, without any other cardinal control of the performance of the services hereinde by Cardinal regardless of whether such thaim 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 California Laboratories.





Analytical Results For:

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

Fax To: (575) 393-2432

Received: Reported: 12/02/2020 12/03/2020

Project Name: Project Number: Project Location: MELOT 3 NONE GIVEN NOT GIVEN

Sampling Date:

Sampling Type:

Sampling Condition: Sample Received By: 12/02/2020

Soil

Cool & Intact Tamara Oldaker

Sample ID: H 2 @ SURFACE (H003155-02)

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	12/03/2020	ND	2,12	106	2.00	4.42	
Toluene*	<0.050	0.050	12/03/2020	ND	2.01	101	2.00	4.82	
Ethylbenzene*	<0.050	0.050	12/03/2020	ND	2.09	105	2.00	4.82	
Total Xylenes*	< 0.150	0.150	12/03/2020	ND	5.95	99.2	6.00	4.19	
Total BTEX	<0.300	0.300	12/03/2020	ND				£3	
Surrogate: 4-Bromofluorobenzene (PIL)	101	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/03/2020	ND	400	100	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	12/02/2020	ND	214	107	200	7.73	
DRO >C10-C28*	<10.0	10.0	12/02/2020	ND	198	99.1	200	8.49	
EXT DRO >C28-C36	<10.0	10.0	12/02/2020	ND					
Surrogate 1-Chlorooctane	95.7	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	101 9	% 42.2-15	6						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liabity and Damages Cardinal's Ratety and cherics exclusive remedy for any dain ansing, whether based in corporat or tord, shall be limited to the amount pad by their for analyses. At claims, including those for regigence and any other cause whatevever shall be defined waved unless made in writing and received by Caronal within thing (30) days after competion of the applicable service. In no event shall Caronal be habte for incidental or consequental damages, including, without amisabon, business interruptions, loss of use, or loss of use, or loss of profits incurred by creat, as subsidiaries, effects or successors arising out of or related to the performance of the services hereunder by Caronal, regardless of whether such



Analytical Results For:

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

Fax To:

(575) 393-2432

Received: Reported:

Project Name:

Project Number:

12/02/2020 12/03/2020

MELOT 3 NONE GIVEN

NOT GIVEN

Sampling Date:

12/02/2020 Soil

Sampling Type:

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

Project Location:

Sample ID: H 3 @ SURFACE (H003155-03) BTEX 8021B

ma/ka

Analyzed By: MS

		1119	rolaryac	4 271 710					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	12/03/2020	ND	2.12	106	2.00	4.42	
Toluene*	< 0.050	0.050	12/03/2020	ND	2.01	101	2.00	4.82	
Ethylbenzene*	<0.050	0.050	12/03/2020	ND	2.09	105	2.00	4.82	
Total Xylenes*	< 0.150	0.150	12/03/2020	ND	5.95	99.2	6.00	4.19	
Total BTEX	< 0.300	0.300	12/03/2020	ND					

Surrogate: 4-Bromofluorobenzene (PIL)

100 %

73 3-129

S. Control of the Con	1 00								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	ŔPD	Qualifier
Chloride	48.0	16.0	12/03/2020	ND	400	100	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	12/02/2020	ND	214	107	200	7.73	
DRO >C10-C28*	<10.0	10.0	12/02/2020	ND	198	99.1	200	8.49	
EXT DRO >C28-C36	<10.0	10.0	12/02/2020	ND					

Surrogate: 1-Chlorooctane

Received by OCD: 12/10/2020 1:31:12 PM

98.1%

44,3-144

Surrogate: 1-Chlorooctadecane

101%

42.2-156

Cardinal Laboratories *=Accredited Analyte

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Caley T. France -



Analytical Results For:

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

(575) 393-2432 Fax To:

Received: Reported: 12/02/2020 12/03/2020

Sampling Date: Sampling Type:

12/02/2020 Soil

Project Name: Project Number: MELOT 3 NONE GIVEN

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

Project Location:

NOT GIVEN

Sample ID: H 4 @ SURFACE (H003155-04)

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	12/03/2020	ND	2.12	106	2.00	4.42	
Toluene*	< 0.050	0.050	12/03/2020	ND	2.01	101	2.00	4.82	
Ethylbenzene*	<0.050	0.050	12/03/2020	ND	2.09	105	2.00	4.82	
Total Xylenes*	< 0.150	0.150	12/03/2020	ND	5.95	99.2	6.00	4.19	
Total BTEX	< 0.300	0.300	12/03/2020	ND					
Surrogate: 4-Bromofluorobenzene (PIE	100	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	12/03/2020	ND	400	100	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	12/02/2020	ND	214	107	200	7.73	
DRO >C10-C28*	< 10.0	10.0	12/02/2020	ND	198	99.1	200	8.49	
EXT DRO >C28-C36	< 10.0	10.0	12/02/2020	ND					
Surrogate: 1-Chlomoctane	96.9	% 44.3-14	14						
Supervista I Chlamata Iscans	102	0/ 12.2.13	· /						

102% 42.2-156 Surrogate: 1-Chlorooctadecone

*=Accredited Analyte Cardinal Laboratories

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Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

Cardinal Laboratories *=Accredited Analyte

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Celeg Themas

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Project Name: roject mone . roject Manager: ddress FOR LAS USE ONLY impler Name: Lab I.D. Sampler - UPS - Bus - Other: Delivered By: {Circle One ject Location: Jeff-101 East Marland, Hobbs, NM 88240 575) 393-2326 FAX (575) 393-2476 Sample I.D. wron Fax #: Project Owner State: Time 1340 00 00 (G)RAB OR (C)OMP CONTAINERS GROUNDWATER WASTEWATER MATRIX SOIL OIL SLUDGE P.O. . Company: OTHER: Address Phone * ACID/BASE PRESERV. CE/COOL CHECKED BY: (Initials) 8/11/10 OTHER ¥ DATE by clark, to sales 1305 35 Fax Result: REMARKS: ion of the spi 0 Yes ANALYSIS REQUEST

Page 7 of 7



December 04, 2020

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: MELOT 3

Enclosed are the results of analyses for samples received by the laboratory on 12/02/20 13:40.

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.tceg.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.

Celeg 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

Received by OCD: 12/10/2020 1:31:12 PM

Lab Director/Quality Manager





Analytical Results For:

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

(575) 393-2432 Fax To:

Received:

12/02/2020 12/04/2020 Sampling Date:

12/02/2020

Reported:

MELOT 3

Sampling Type: Sampling Condition: Soil Cool & Intact

Project Name: Project Number: Project Location: NONE GIVEN NOT GIVEN

540%

42.2-156

Sample Received By:

Tamara Oldaker

Sample ID: SP 1 @ SURFACE (H003156-01)

BTEX 8021B	mg/	kg	Analyze	d By: M\$					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	12/03/2020	ND	2.12	106	2.00	4.42	
Toluene*	< 0.050	0.050	12/03/2020	ND	2.01	101	2.00	4.82	
Ethylbenzene*	< 0.050	0.050	12/03/2020	ND	2.09	105	2.00	4.82	
Total Xylenes*	< 0.150	0.150	12/03/2020	ND	5.95	99.2	6.00	4.19	
Total BTEX	<0.300	0.300	12/03/2020	ND					
Surrogate: 4-Bromofluorobenzene (PIL	99.8 2	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11300	16.0	12/03/2020	ND	400	100	400	7.69	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	85	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	< 100	100	12/02/2020	ND	214	107	200	7.73	
DRO >C10-C28*	12200	100	12/02/2020	ND	198	99.1	200	8.49	
EXT DRO >C28-C36	1760	100	12/02/2020	ND					
Surrogate: 1-Chlorooctane	98.5	44.3-14	4						

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Surrogate: 1-Chlorooctadecane



Analytical Results For:

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

Fax To:

(575) 393-2432

Received: Reported: 12/02/2020 12/04/2020 Sampling Date: Sampling Type: 12/02/2020 Soil

Project Name: Project Number: MELOT 3 NONE GIVEN Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Location:

NOT GIVEN

Sample ID: SP 1 @ 1' (H003156-02)

BTEX 80211	
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BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/03/2020	ND	2.12	106	2.00	4.42	
Toluene*	< 0.050	0.050	12/03/2020	ND	2.01	101	2.00	4.82	
Ethylbenzene*	< 0.050	0.050	12/03/2020	ND	2.09	105	2.00	4.82	
Total Xylenes*	< 0.150	0.150	12/03/2020	ND	5.95	99.2	6.00	4.19	
Total BTEX	< 0.300	0.300	12/03/2020	ND					

Surrogate: 4-Bromofluorobenzene (PIL

99.4%

73.3-129

Chloride, SM4500Cl-B	mg.	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	992	16.0	12/03/2020	ND	400	100	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	12/03/2020	ND	214	107	200	7.73	
DRO >C10-C28*	273	10.0	12/03/2020	ND	198	99.1	200	8.49	
EXT DRO >C28-C36	< 10.0	10.0	12/03/2020	ND					

Surrogate: 1-Chlorooctane

Received by OCD: 12/10/2020 1:31:12 PM

98.9 %

44.3-144

Surrogate: 1-Chlorooctadecane

115 %

42.2-156

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Analytical Results For:

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

(575) 393-2432 Fax To:

Received: Reported: 12/02/2020 12/04/2020

Project Name: Project Number: Project Location: MELOT 3 NONE GIVEN NOT GIVEN

Sampling Date:

Sampling Type:

Sampling Condition:

Sample Received By:

12/02/2020

Soil Cool & Intact

Tamara Oldaker

Sample ID: SP 1 @ 3' (H003156-03)

BTEX 8021B

ma/ka

Analyzed By: MS

	91	9		7					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	12/03/2020	ND	2.12	106	2.00	4.42	
Toluene*	<0.050	0.050	12/03/2020	ND	2.01	101	2.00	4.82	
Ethylbenzene*	<0.050	0.050	12/03/2020	ND	2.09	105	2.00	4.82	
Total Xylenes*	< 0.150	0.150	12/03/2020	ND	5.95	99.2	6.00	4.19	
Total BTEX	< 0.300	0.300	12/03/2020	ND					

Surrogate: 4-Bromofluorobenzene (PIL)

101%

73:3-129

Chloride, SM4500CI-B Analyte	mg/kg		Analyzed By: GM						
	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	12/03/2020	ND	400	100	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	12/03/2020	ND	214	107	200	7.73	
DRO >C10-C28*	< 10.0	10.0	12/03/2020	ND	198	99.1	200	8.49	
EXT DRO >C28-C36	<10.0	10.0	12/03/2020	ND					

Surrogate: 1-Chloroactane

Received by OCD: 12/10/2020 1:31:12 PM

93.2 %

44.3-144

Surrogate: 1-Chlorooctadecane

97.2%

42.2-150

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Calley T. France

Analytical Results For:

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

Fax To:

(575) 393-2432

Received: Reported:

12/02/2020 12/04/2020

Project Name: Project Number: Project Location:

MELOT 3 NONE GIVEN NOT GIVEN

Sampling Date:

12/02/2020 Soil

Sampling Type: Sampling Condition:

Cool & Intact

Sample Received By:

Tamara Oldaker

Sample ID: SP 2 @ SURFACE (H003156-04)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/03/2020	ND	2.12	106	2.00	4.42	
Toluene*	<0.050	0.050	12/03/2020	ND	2.01	101	2.00	4.82	
Ethylbenzene*	0.065	0.050	12/03/2020	ND	2.09	105	2.00	4.82	
Total Xylenes*	0.323	0.150	12/03/2020	ND	5.95	99.2	6.00	4.19	
Total BTEX	0.388	0.300	12/03/2020	ND					
Surrogate: 4-Bromofluorobenzene (PIL	1045	% 73,3-12	9						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	22400	16.0	12/03/2020	ND	400	100	400	7.69	
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*	< 100	100	12/03/2020	ND	214	107	200	7.73	
DRO >C10-C28*	14300	100	12/03/2020	ND	198	99.1	200	8.49	
EXT DRO >C28-C36	1620	100	12/03/2020	ND					
Surrogate: 1-Chlorooctane	107	% 44,3-14	4						
Surrogate: 1-Chlorooctadecane	586 9	42,2-15	6						

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Analytical Results For:

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

(575) 393-2432 Fax To:

Received:

12/02/2020

Sampling Date:

12/02/2020

Reported:

12/04/2020

Sampling Type:

Soil

Project Name: Project Number: MELOT 3 NONE GIVEN Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Location:

NOT GIVEN

Sample ID: SP 2 @ 1' (H003156-05)

8TEX 8021B	mg,	/ kg	Analyze	а ву: М5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	12/03/2020	ND	2.12	106	2.00	4.42	
Toluene*	< 0.050	0.050	12/03/2020	ND	2.01	101	2.00	4.82	
Ethylbenzene*	<0.050	0.050	12/03/2020	ND	2.09	105	2.00	4.82	
Total Xylenes*	0.213	0.150	12/03/2020	ND	5.95	99.2	6.00	4.19	
Total BTEX	< 0.300	0.300	12/03/2020	ND					

Surrogate: 4-Bromofluorobenzene (PIL

106 %

73.3-129

, ,
Chloride
TPH 8015M
<i>F</i>
GRO C6-C10
DRO >C10-0
EXT DRO >C

Chloride, SM4500CI-B	mg,	mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8930	16.0	12/03/2020	ND	400	100	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*	14.1	10.0	12/03/2020	ND	214	107	200	7.73	
DRO >C10-C28*	715	10.0	12/03/2020	ND	198	99.1	200	8.49	
EXT DRO >C28-C36	44.8	10.0	12/03/2020	ND					

Surrogate: 1-Chlorooctane

103 %

44.3-144

Surrogate, 1-Chlorooctadecane

127%

42.2-156

Cardinal Laboratories

Received by OCD: 12/10/2020 1:31:12 PM

*=Accredited Analyte

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Calog T. treens -



Analytical Results For:

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

Fax To:

Sampling Date:

12/02/2020

Sampling Type:

Soil

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

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

Project Number:

Received:

Reported:

Project Name:

NONE GIVEN

12/02/2020

12/04/2020

MELOT 3

Project Location: NOT GIVEN

Sample ID: SP 2 @ 3' (H003156-06)

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	12/03/2020	ND	2.12	106	2.00	4.42	
Toluene*	< 0.050	0.050	12/03/2020	ND	2.01	101	2.00	4.82	
Ethylbenzene*	< 0.050	0.050	12/03/2020	ND	2.09	105	2.00	4.82	
Total Xylenes*	< 0.150	0.150	12/03/2020	ND	5.95	99.2	6.00	4.19	
Total BTEX	<0.300	0.300	12/03/2020	ND					
Surrogate: 4-Bromofluorobenzene (PIL	100 %	73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	192	16.0	12/03/2020	ND	400	100	400	7.69	
TPH 8015M	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10*	< 10.0	10.0	12/03/2020	ND	214	107	200	7.73	
DRO >C10-C28*	<10.0	10.0	12/03/2020	ND	198	99.1	200	8.49	
EXT DRO >C28-C36	< 10.0	10.0	12/03/2020	ND					
Surrogate: 1-Chlorooctane	90.99	44.3-14	4						
Surrogate: 1-Chlorooctadecane	96.0 9	6 42.2-15	6						

Cardinal Laboratories *=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:

Project Name:

12/02/2020 12/04/2020

MELOT 3 NONE GIVEN

Sampling Date: Sampling Type:

Sample Received By:

12/02/2020 Soil

Sampling Condition:

Cool & Intact Tamara Oldaker

Project Number: Project Location:

NOT GIVEN

Sample ID: SP 3 @ SURFACE (H003156-07)

v	00040
RIEX	8021B

mg/l
mg/l

Anal	yzed	By:	MS
------	------	-----	----

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	12/03/2020	ND	2.12	106	2.00	3.13	
Toluene*	< 0.050	0.050	12/03/2020	ND	2.03	102	2.00	3.51	
Ethylbenzene*	0.054	0.050	12/03/2020	ND	2.11	106	2.00	3.62	
Total Xylenes*	0.356	0.150	12/03/2020	ND	6.01	100	6.00	3.53	
Total BTEX	0.410	0.300	12/03/2020	ND					

Surrogate: 4-Bromofluorobenzene (PIE

112%

73.3-129

mg/kg		Analyzed By: GM					~~~~~	
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
10900	16.0	12/03/2020	ND	400	100	400	7.69	
mg/	'kg	Analyzed By: MS						S-06
Result	Reporting Limit	Analyzed	Method Blank	85	% Recovery	True Value QC	RPD	Qualifier
< 100	100	12/03/2020	ND	215	108	200	2.24	
15700	100	12/03/2020	ND	219	110	200	1.27	
3570	100	12/03/2020	ND					
	Result 10900 mg/ Result <100 15700	Result Reporting Limit 10900 16.0 mg/kg Result Reporting Limit <100 100 15700 100	Result Reporting Limit Analyzed 10900 16.0 12/03/2020 mg/kg Analyze Result Reporting Limit Analyzed <100	Result Reporting Limit Analyzed Method Blank 10900 16.0 12/03/2020 ND mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank <100	Result Reporting Limit Analyzed Method Blank BS 10900 16.0 12/03/2020 ND 400 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank 85 <100	Result Reporting Limit Analyzed Method Blank BS % Recovery 10900 16.0 12/03/2020 ND 400 100 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank 85 % Recovery <100	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC 10900 16.0 12/03/2020 ND 400 100 400 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank 8S % Recovery True Value QC <100	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 10900 16.0 12/03/2020 ND 400 100 400 7.69 Result Reporting Limit Analyzed Method Blank 8S % Recovery True Value QC RPD <100

Surrogate: 1-Chlorooctane

Received by OCD: 12/10/2020 1:31:12 PM

125 %

44.3-144

Surrogate: 1-Chlorooctadecane

553 %

42.2-156

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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: 12/02/2020 12/04/2020

Project Name: Project Number: Project Location: MELOT 3 NONE GIVEN NOT GIVEN

Sampling Date:

Sampling Type:

Sampling Condition: Sample Received By: 12/02/2020

Soil

Cool & Intact Tamara Oldaker

Sample ID: SP 3 @ 1' (H003156-08)

BTEX 8021B

mg/kg

Analyzed By: MS

	373			,,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	12/03/2020	ND	2.12	106	2.00	3.13	
Toluene*	< 0.050	0.050	12/03/2020	ND	2.03	102	2.00	3.51	
Ethylbenzene*	< 0.050	0.050	12/03/2020	ND	2.11	106	2.00	3.62	
Total Xylenes*	< 0.150	0.150	12/03/2020	ND	6.01	100	6.00	3.53	
Total BTEX	< 0.300	0.300	12/03/2020	ND					

Surrogate: 4-Bromofluorobenzene (PIL)

100 %

73.3-129

Chloride, SM4500CI-B	mg,	mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6320	16.0	12/03/2020	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS		·			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	65	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/03/2020	ND	215	108	200	2.24	
DRO >C10-C28*	79.0	10.0	12/03/2020	ND	219	110	200	1.27	
EXT DRO >C28-C36	15.2	10.0	12/03/2020	ND					
Surrogate: 1-Chloroociane	101	% 44.3-14	4						

Received by OCD: 12/10/2020 1:31:12 PM

Surrogate: 1-Chlorooctadecane

106 %

42.2-156

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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:

12/02/2020 12/04/2020 Sampling Date: Sampling Type: 12/02/2020 Soil

Reported: Project Name: MELOT 3

Sampling Condition:

Cool & Intact

Project Number: Project Location: NONE GIVEN NOT GIVEN

Sample Received By:

Tamara Oldaker

Sample ID: SP 3 @ 3' (H003156-09)

BTEX 8021B

mg/kg

Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	12/03/2020	ND	2.09	104	2.00	1.50	QR-03
Toluene*	<0.050	0.050	12/03/2020	ND	2.00	100	2.00	1.69	QR-03
Ethylbenzene*	<0.050	0.050	12/03/2020	ND	2.06	103	2.00	1.21	QR-03
Total Xylenes*	< 0.150	0.150	12/03/2020	ND	5.88	98.1	6.00	1.08	
Total BTEX	< 0.300	0.300	12/03/2020	ND					

Surrogate: 4-Bromofluorobenzene (PIE

101%

73.3-129

Chloride, SM4500CI-B	mg,	mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1570	16.0	12/03/2020	ND	400	100	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	12/03/2020	ND	215	108	200	2.24	
DRO >C10-C28*	352	10.0	12/03/2020	ND	219	110	200	1.27	
EXT DRO >C28-C36	84.8	10.0	12/03/2020	ND					

Surrogate: 1-Chlorooctane

929%

44.3-144

Surrogate: 1-Chlorooctadecane

106 %

42.2-156

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Certify I treens



Analytical Results For:

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

Fax To:

(575) 393-2432

Sampling Date:

12/02/2020

Soil

12/04/2020 Reported:

Project Name: MELOT 3 Project Number: NONE GIVEN

12/02/2020

NOT GIVEN

Sampling Type: Sampling Condition:

Cool & Intact

Sample Received By:

Tamara Oldaker

Sample ID: SP 3 @ 4' (H003156-10)

Received:

Project Location:

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/03/2020	ND	2.09	104	2.00	1.50	
Toluene*	<0.050	0.050	12/03/2020	ND	2.00	100	2.00	1.69	
Ethylbenzene*	<0.050	0.050	12/03/2020	ND	2.06	103	2.00	1.21	
Total Xylenes*	<0.150	0.150	12/03/2020	ND	5.88	98.1	6.00	1.08	
Total BTEX	<0.300	0.300	12/03/2020	ND					
Surrogate: 4-Bromofluorobenzene (PH)	101	% 73,3-12	9						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/03/2020	ND	400	100	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	12/03/2020	ND	215	108	200	2.24	
DRO >C10-C28*	37.8	10.0	12/03/2020	ND	219	110	200	1.27	
EXT DRO >C28-C36	14.3	10.0	12/03/2020	ND					
Surrogate: 1-Chlorooctane	97.9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	98.9	% 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:

12/02/2020 12/04/2020

Sampling Date: Sampling Type: 12/02/2020

Soil

Reported: Project Name: MELOT 3

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Tamara Oldaker

Project Location:

NOT GIVEN

Sample ID: SP 4 @ SURFACE (H003156-11)

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	12/03/2020	ND	2.09	104	2.00	1.50	
Toluene*	< 0.050	0.050	12/03/2020	ND	2.00	100	2.00	1.69	
Ethylbenzene*	0.157	0.050	12/03/2020	ND	2.06	103	2.00	1.21	
Total Xylenes*	0.764	0.150	12/03/2020	ND	5.88	98.1	6.00	1.08	
Total BTEX	0.921	0.300	12/03/2020	ND					
Surrogate: 4-Bromofluorobenzene (PH)	1113	73.3-12	9						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16000	16.0	12/03/2020	ND	400	100	400	7.69	
TPH 8015M	mg,	'kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	< 50.0	50.0	12/03/2020	ND	215	108	200	2.24	
DRO >C10-C28*	11800	50.0	12/03/2020	ND	219	110	200	1.27	
EXT DRO >C28-C36	3170	50.0	12/03/2020	ND					
Surragate: 1-Chlorooctane	105	% 44.3-14	14						
Commence t Chloroman Loren	1751	26 (2.2.15							

Surrogate: 1-Chlorooctadecane

Received by OCD: 12/10/2020 1:31:12 PM

475 %

42.2-156

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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: 12/02/2020 12/04/2020

Project Name: Project Number: Project Location: MELOT 3 NONE GIVEN NOT GIVEN

Sampling Date:

12/02/2020 Soil

Sampling Type: Sampling Condition:

Cool & Intact

Sample Received By:

Tamara Oldaker

Sample ID: SP 4 @ 1' (H003156-12)

BTEX 8021B

mg/kg

Analyzed By: MS

	***31		,						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/03/2020	ND	2.09	104	2.00	1.50	
Toluene*	<0.050	0.050	12/03/2020	ND	2.00	100	2.00	1.69	
Ethylbenzene*	<0.050	0.050	12/03/2020	ND	2.06	103	2.00	1.21	
Total Xylenes*	< 0.150	0.150	12/03/2020	ND	5.88	98.1	6.00	1.08	
Total BTEX	<0.300	0.300	12/03/2020	ND					

Chloride, SM4500CI-B	mg.	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	12/03/2020	ND	400	100	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	12/03/2020	ND	215	108	200	2.24	
DRO >C10-C28*	56.4	10,0	12/03/2020	ND	219	110	200	1.27	
EXT DRO >C28-C36	39.7	10.0	12/03/2020	ND					

Surrogate, 1-Chlorooctane

Received by OCD: 12/10/2020 1:31:12 PM

102 %

44.3-144

Surrogate: 1-Chlorooctadecane

101 %

42.2-136

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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:

BTEX 8021B

EXT DRO >C28-C36

12/02/2020 12/04/2020

Project Name: Project Number: Project Location:

MELOT 3 NONE GIVEN NOT GIVEN

mg/kg

Sampling Date:

Sampling Type:

Sampling Condition: Sample Received By: 12/02/2020 Soil

Cool & Intact

Tamara Oldaker

Sample ID: SP 4 @ 3' (H003156-13)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/03/2020	ND	2.09	104	2.00	1.50	
Toluene*	<0.050	0.050	12/03/2020	ND	2.00	100	2.00	1.69	
Ethylbenzene*	< 0.050	0.050	12/03/2020	ND	2.06	103	2.00	1.21	
Total Xylenes*	<0.150	0.150	12/03/2020	ND	5.88	98.1	6.00	1.08	
Total BTEX	<0.300	0.300	12/03/2020	ND					
Surrogate: 4-Bromofluorobenzene (PIL	103 %	73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/03/2020	ND	400	100	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	12/03/2020	ND	215	108	200	2.24	
DRO >C10-C28*	<10.0	10.0	12/03/2020	ND	219	110	200	1.27	

ND

12/03/2020

Analyzed By: MS

Surrogate: 1-Chlorooctane 97.7 % 44.3-144 Surrogate: 1-Chlorooctadecane 95.0 % 42.2-156

<10.0

10.0

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Analytical Results For:

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

(575) 393-2432 Fax To:

Received: Reported: 12/02/2020 12/04/2020

Project Name: Project Number: Project Location: MELOT 3 NONE GIVEN NOT GIVEN

Sampling Date:

Sampling Type:

Sampling Condition: Sample Received By: 12/02/2020 Soil

Cool & Intact

Tamara Oldaker

Sample ID: SP 5 @ SURFACE (H003156-14)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2020	ND	2.09	104	2.00	1.50	
Toluene*	1.53	0.050	12/04/2020	ND	2.00	100	2.00	1.69	
Ethylbenzene*	3.41	0.050	12/04/2020	ND	2.06	103	2.00	1.21	
Total Xylenes*	11.2	0.150	12/04/2020	ND	5. 8 8	98.1	6.00	1.08	
Total BTEX	16.2	0.300	12/04/2020	ND					
Surrogate: 4-Bromofluorobenzene (PIL	203	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					ā,
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7600	16.0	12/03/2020	ND	400	100	400	7.69	
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*	407	100	12/03/2020	ND	220	110	200	0.486	
DRO >C10-C28*	19900	100	12/03/2020	ND	214	107	200	0.636	
EXT DRO >C28-C36	4350	100	12/03/2020	ND					
Surrogate: 1-Chlorooctane	141	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	713	% 42.2-15	6						

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Analytical Results For:

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

Fax To:

Sampling Date:

12/02/2020

Sampling Type:

Soil Sampling Condition:

Cool & Intact

Sample Received By:

Tamara Oldaker

Project Number: Project Location:

Surrogate: 1-Chlorooctadecane

Received by OCD: 12/10/2020 1:31:12 PM

Received:

Reported:

DTEV OAS1D

Project Name:

NONE GIVEN NOT GIVEN

84.4%

422-136

12/02/2020

12/04/2020

MELOT 3

Sample ID: SP 5 @ 1' (H003156-15)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	12/03/2020	ND	2.09	104	2.00	1.50	
Toluene*	<0.050	0.050	12/03/2020	ND	2.00	100	2.00	1.69	
Ethylbenzene*	< 0.050	0.050	12/03/2020	ND	2.06	103	2.00	1.21	
Total Xylenes*	<0.150	0.150	12/03/2020	ND	5.88	98.1	6.00	1.08	
Total BTEX	<0.300	0.300	12/03/2020	ND					
Surrogate: 4-Bromofluorobenzene (PII:	102 %	G 73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7860	16.0	12/03/2020	ND	400	100	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	12/03/2020	ND	220	110	200	0.486	
DRO >C10-C28*	76.1	10.0	12/03/2020	ND	214	107	200	0.636	
EXT DRO >C28-C36	21.5	10.0	12/03/2020	ND					

Cardinal Laboratories *=Accredited Analyte

FLEASE NOTE Labbing and Damages. Candina's liabing, and dients enclose remedy for any daim animag, whether based in contract or fort, shall be limited to the amount pad by client for analyses. All claims, including those for regrigence and any other cause whatsoever shall be deemed warred unless made in writing and received by Cardinal within thirty (30) days after competion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incided by circles, its subdictances affiliates or successors arising out of or related to the performance of the services Percented by Cardina, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in five with written approval of Calidinar Laboratories.





Analytical Results For:

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

Fax To:

(575) 393-2432

Received: Reported: 12/02/2020 12/04/2020

Project Name:

MELOT 3 Project Number: NONE GIVEN NOT GIVEN Project Location:

Sampling Date:

12/02/2020 Soil

Sampling Type:

Sampling Condition: Sample Received By: Cool & Intact

Tamara Oldaker

Sample ID: SP 5 @ 3' (H003156-16)

BTEX 8021B

mg/kg

Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	12/03/2020	ND	2.09	104	2.00	1.50	
Toluene*	< 0.050	0.050	12/03/2020	ND	2.00	100	2.00	1.69	
Ethylbenzene*	<0.050	0.050	12/03/2020	ND	2.06	103	2.00	1.21	
Total Xylenes*	0.177	0.150	12/03/2020	ND	5.88	98.1	6.00	1.08	
Total BTEX	< 0.300	0.300	12/03/2020	ND					

Surrogate: 4-Bromofluorobenzene (PIL)

103 %

73.3-129

Chloride, SM4500CI-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	12/03/2020	ND	432	108	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/03/2020	ND	220	110	200	0.486	
DRO >C10-C28*	237	10.0	12/03/2020	ND	214	107	200	0.636	
EXT DRO >C28-C36	43.2	10.0	12/03/2020	ND					

Surrogate: 1-Chlorooctane

Received by OCD: 12/10/2020 1:31:12 PM

86.8 %

44.3-144

Surrogate: 1-Chlorooctadecane

91.2%

42.2-156

Cardinal Laboratories *=Accredited Analyte

Cardinal's additiny and dients exclusive remedy for any drain ansaig, whether based in contact or tort, shall be limited to the amount paid by crent for analyses. All claims, including those for negigence and any other cause whatsoever shall be deemed waved unless made in wirting and received by Caronal workin thirty (30) days after completion of the accidable service. In no event shall Cardinal be liable for incidental or consequenced demands including, without kimitabon, business interruptions, loss of use, or loss of profits incident, is subsidiaries, affiliates or successors arising out of or related to the performance of the services rereunder by Cardinal, regardless of whether such

Carry to trains



Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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
N p	Samples not received at proper temperature of 6°C or below
	Insufficient time to reach temperature
9	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinar's klability and cherics eviduous remedy for any claim arising, whether based in contract or tors, shall be limited to the amount paid by clent for analyses. All claims, including those for negigence and any other cases whatsoever shall be deemed valued unless made in writing and received by Clent and a term thiny (30) days after competion of the applicable service. In no event shall cardinal be liable for incidental or consequential damages, including, without immation, business interruptions, loss of the justice of profits incruded by client, and advantages affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal regardless of whether such chains shall not be above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Released to Imaging: 2/19/2021 11:02:31 AM

c needle annual second condict shapes Disease for welling shapes to 1575; 201,2726



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

	1575) 393-2326 FAX (575) 393-2476	(6) 383-2476					ANAI VOIS R	REQUEST	
Company Name:	anach	contract	75	OF THIS		1		-	
Project Manager	Bitch	Buch	10	P.O. #:					
Address:			Ω	Company		_			
CHY		State: Zip:	8	Attn:				_	_
Phone 8:	n	Fax #	2	ddress:					10
Project #		Project Owner:	0	City:		_	_	_	
No.	M1-+ 3		69	State: Zip:		_		_	
Project Location:	Must		9	Phone #:				_	
Sampler Name:	JAR.			٦.	3			_	
FOR LAB USE ONLY		P.	NORTH AM	PARTICIPATION OF THE PARTICIPA		H			
Lab I.D.	Sample I.D.)RAB OR (C)OM CONTAINERS	ROUNDWATER ASTEWATER OIL IL LUDGE	THER: CID/BASE: CE/COOL THER:	CL-	BTEX EXT. TF			
H03154	101 0 6161	70			-		-	+	+
7-	10101				Ofus				
u	120105	y	5		0110		-		
7	503 00 Sukus	6	`	-	CIFO	+			
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.0	12 650	8	_		0925	+			
26	60300 Juntous	6			(A)	+			
9	1 6/60%	6	`		100	+			
9	303031	3		1	-				-
0	JP3041	(4)	A Design of Persons of the Persons of	1	put by the Gord for				
	dry home to employees and my other or	and observed the last of the control	And when such it will get to	of sea, or been of profits from			ı		
Relinquished By	A E	13/2/20	ared By:	Phylon	Phone Result: Fax Result: REMARKS:	0 Yes	O No Add'l Fax #:		
Rollinguished	d By	Deta: Rat	Raceived By:						
		Time:		1					
Delivered By:	Dailvered By: (Circle One)	C30 #112	Sample Condition Cool Interd	(mittale)					

Page 19 of 20

Sampler - UPS - Bus - Other:

5:26 #113



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Martand, Hobbs, NM 88240

THE RESERVE AND PARTY AND PERSONS ASSESSED.	E LIMBy and Down	16 393	S SP	14 50	13 50	2 30	11 704	Lab I.D. H003/5%	٦		on:	ume:	Project #:	Phone #:	City:	Address:	Project Manager:	Company Name: //	
1		03'	0) 1'	10 Surhace	150	1001	@ Surface	Sample I.D.		1000 Rown	nelot 3	Melat 3	Project Owner:	Fax #:	State:		D	Apache Corpustion	THE RESERVE AND INCIDENT AND INCIDENT
Received By:	why for any claim selfing whether beand in context or text, shall be braised to the emount paid by the claim for the a paid be dissend webed selected seaton to writing and received by Control which 20 deed after convention of the a a, including without feedbook, business interruptions, best of use, or loss of pottle incomment by claim, to a control we will be selected to the control of the co		6	7	6	7		(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	MATRIX			The state of the s	1704.		Zip:				
1001	g whether beand in context or text, afted the Striked to the emount paid by the client for the d unions stated in withing and received by Captimal within 30 days after compatition of the application (on, business interruptions, but of use, or loss of the client increased by client, its exhibitations, for a figure of the context of the client increased by client, and its exhibitations of the context of the client increased by client and the client increased by client and the client increased by client and the client increased by client in	(2/0/2)					13/2/20	SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	PRESERV SAMPLING	Fax 9:	Phone #:	State: Zip:	City	Address:	Attn:	Company:	P.O. #:	8/11.70	
Rasult: C	Official	8421 0	240	144	1242	345	8541	CL- BIEX	CDAG										
O No Add								EXT. TPH										ANALYSIS	
Add'l Phone &									10									YSIS REQUEST	

Delivered By: (Circle One) Date: Time: Received By:

Page 20 of 20



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

December 09, 2020

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: MELOT 3

Enclosed are the results of analyses for samples received by the laboratory on 12/09/20 10:05.

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

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.

Celeg 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

Received by OCD: 12/10/2020 1:31:12 PM

Lab Director/Quality Manager



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

Analytical Results For:

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

Fax To:

Received: Reported:

12/09/2020 12/09/2020 MELOT 3

Project Name: Project Number: Project Location:

NONE GIVEN NOT GIVEN

Sampling Date:

Sampling Type:

Sampling Condition: Sample Received By: 12/09/2020

Soil

Cool & Intact Tamara Oldaker

Sample ID: SP 5 @ 4' (H003214-01)

BTEX 8021B

ma/ka

Analyzed By: MS

DIEX GOLID	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, ng	Anaryse	4 0) 1 1 1 5					
Analyté	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	12/09/2020	ND	2.12	106	2.00	1.70	
Toluene*	< 0.050	0.050	12/09/2020	ND	2.01	101	2.00	2.52	
Ethylbenzene*	<0.050	0.050	12/09/2020	ND	2.11	105	2.00	2.64	
Total Xylenes*	< 0.150	0.150	12/09/2020	ND	5.99	99.8	6.00	2.55	
Total BTEX	< 0.300	0.300	12/09/2020	ND					

Surrogate: 4-Bromofluorobenzene (PIL

101%

73.3-129

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	12/09/2020	ND	238	119	200	5.17	
DRO >C10-C28*	548	10.0	12/09/2020	ND	219	109	200	7.43	
EXT DRO >C28-C36	115	10.0	12/09/2020	ND					

Surrogate: 1-Chlorooctane Surrogate: 1-Chlorooctadecane 91.4% 102%

44.3-144 42,2-156

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Candinar's katality and clients evolusive remedy for any claims ansing, whether based in contract or tors, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed worked unless made in writing and received by Cardinal writin durty (30) days after compretion of the applicable service. In no event shall Cardinal be liable for incidental or consequencial camages, including, without limitation, business interruptions, loss of use, or loss of use, or loss of profits incurred by Client, its subschames, affiliates or successors alising out of in related to the performance of the services hereunder by Cardina's, regardless of whether such claim is pased upon any of the above stated reasons or otherwise. Results relate only to the samples scentified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratones.

Calley T. Kreena



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

Analytical Results For:

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

Fax To:

(575) 393-2432

Received:

12/09/2020 12/09/2020 Sampling Date: Sampling Type: 12/09/2020

Soil

Reported: Project Name: MELOT 3

Sampling Condition:

Cool & Intact

Project Number: Project Location: NONE GIVEN NOT GIVEN

Sample Received By:

Tamara Oldaker

Sample ID: SP 5 @ 5' (H003214-02)

n	19	1/	k	•

Analyzed	Ву:	MS
----------	-----	----

BTEX 8021B	mg,	/kg	Analyze	а ву: мѕ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	12/09/2020	ND	2.12	106	2.00	1.70	
Toluene*	<0.050	0.050	12/09/2020	ND	2.01	101	2.00	2.52	
Ethylbenzene*	< 0.050	0.050	12/09/2020	ND	2.11	105	2.00	2.64	
Total Xylenes*	< 0.150	0.150	12/09/2020	ND	5.99	99.8	6.00	2.55	
Total BTEX	< 0.300	0.300	12/09/2020	ND					

Surrogate: 4-Bromofluorobenzene (PIE

99.8 %

73.3-129

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	12/09/2020	ND	238	119	200	5.17	
DRO >C10-C28*	125	10.0	12/09/2020	ND	219	109	200	7.43	
EXT DRO >C28-C36	19.1	10.0	12/09/2020	ND					

Surrogate: 1-Chlorooctane

Received by OCD: 12/10/2020 1:31:12 PM

85.9 %

44.3-144

Surrogate: 1-Chlorooctadecane

83.9%

42.2-156

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Labity and Carriages Cardinal's labity and Carriages Cardinal's labity and carriages and dients evolusive remedy for any dain arising, whether based in contract or tort, shall be limited to the amount paid by civent for analyses. All claims, including those for negagance and any other cause whatsoever shall be deemed waived unless made in which and received by Cardinal within thatty (30) days after competion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages. including, without imitation, business interruptions, loss of use, or loss of Claim is based word aim of the above stated reasons or conervise. Results relate only to the samples dentified above. This report shall not be reproduced event in full with written approval of Cardinar Laboratones.

Calley & Kiena

Analytical Results For:

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

Received:

12/09/2020

Reported:

12/09/2020

Project Name:

MELOT 3 NONE GIVEN

Project Number: Project Location:

NOT GIVEN

Sampling Date:

12/09/2020

Sampling Type:

Sampling Condition: (

Soil Cool & Intact

Sample Received By:

Tamara Oldaker

Sample ID: SP 5 @ 6' (H003214-03)

BTEX 8021B

ma/ka

Analyzed By: MS

	*****	Ng .	riidiyee	a by: 1·10					
Arialyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2020	ND	2.12	106	2.00	1.70	
Toluene*	<0.050	0.050	12/09/2020	ND	2.01	101	2.00	2.52	
Ethylbenzene*	<0.050	0.050	12/09/2020	ND	2.11	105	2.00	2.64	
Total Xylenes*	<0.150	0.150	12/09/2020	ND	5.99	99.8	6.00	2.55	
Total BTEX	< 0.300	0.300	12/09/2020	ND					

Surrogate: 4-Bromofluorobenzene (PIL

100 %

73.3-129

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	12/09/2020	ND	238	119	200	5.17	
DRO >C10-C28*	39.2	10.0	12/09/2020	ND	219	109	200	7.43	
EXT DRO >C28-C36	<10.0	10.0	12/09/2020	ND					
								,	

Surrogate: 1-Chlorooctane

Received by OCD: 12/10/2020 1:31:12 PM

100 %

44.3-144

Surrogate: I-Chlorooctadecane

95.2%

42.2-156

Cardinal Laboratories *=Accredited Analyte

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Calley D. Kenne

Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardnal's abolity and dients exclusive remedy for any dawn anising, whether based in contract or ton, shall be limited to the amount paid by chent for analyses. All claims, including those for negigence and any other cause whatsoever shall be deemed waved unless made in which and received by Cardinal within thirty (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 clerit, its subsidiants, affiliates or successors arising out of or related to the performance of the services inequality by Cardinal, regardless of whether such claims is based upon any of the above stated reasons or otherwise. Results relate only to the samples scientified above. This report shall not be reproduced except in full with written approval of Cardinal Laborationes.

Calley T. Keine

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

(575) 393-232	575) 393-2326 FAX (575) 383-2476		ANALYSIS REQUEST	
Company Name: Reache	te Capacition		_	
Project Manager: 8/14	we Baker	7.0. %		
		Company:		
CHYC	State: Zip:	Adm:		
Phone #:	Fax #	Address:		
Project #	Project Owner	CBy:		
Protect Name: Melot	# 7	State: Zip:		
milot		Phone #:		
1	20107			
KOR IVE ONLY	2	MATROX PRESERV SAMPLING		
	G)RAB OR (C)OMP. CONTAINERS GROUNDWATER	WASTEWATER FOIL DIL SLUDGE DTHER: ACID/BASE: CE/COOL DTHER:	BTEX EXT. TP	
10 (0 - 0 - 1)	7 (0	0/0/2	0800 V V	
3	9	100	025	
3 5/5 0 6	6	1	0810	
ALEXAND TO SELECT THE PROPERTY OF THE PARTY		for board in content or for, and is board to the emount paid to examine the content of the conte	ry the allest for the conjustion of the prophents of the	
Relinquished By:	Date: 1// Received	At: United the property of the party of the	Phone Result: D Yes D No Add'l Phone it:	
Left Thon	Time: NOS Received By	punaro Aldaky	Scrape	
	Time:			
Delivered By: (Circle One)	in the	Cool Intact (Inflints)		
Sampler - UPS - Bus - Other.	C1.65 #1/3			

Page 6 of 6

	12/2/20 Me/st #3 Delineation
OJTOP Sw.1	SP10 Surface - 32.591645, -103.120844
	10.4/30.0 = 2.88 = 3.75 = 8,032
pel with	582@11
	10.1/36.1=2.58=. 42=1,251
Pul Dia	SP102'
	10.0/30.1=3.01=.25=752
Red Dra	SP1 @ 3'
1	10.0/30.023=.10=299
	5P20 Surface - 32.591569, -103.121026
	10.1/30.3=3=4.50=13,495
Red Dirt	58202'
	10.3/30.1=2.92=2.57=7,502
	58202'
	10.3/30.0=2.91=.60=1.745
Red DA	58203'
	10.2/30.0=2.94=.11= 323
	SP3 @ Surface - 32.591527, -603.121199
2 PM	10.2/30.1= 2.95 = 2.60 = 7,667
1001 Dint	10.2/30.1= 2.95 = 2.60 = 7,667 SP3@1'
2020	10.1/34.3 = 3 = 1.85 = 5,548
TELDA	10.1/3u.3 = 3 = 1.85 = 5,548 49302'
<i>CD: 1</i>	49302' 10.4/30.1 = 2.89 = .28 = 808 59303' 10.3/30.3 = 2.54 = .55 = 1,616
B Dut	5P3@3'
ceive	10.3/30.3 = 2.54 = .55 = 1,616
28	

	5P304'
Maliele	10.0/30.1=3.01=,08=240
ld Dirt	5P40 Sutace - 32. 591382, -103.121182
	10.1/30.0 = 2.47 = 4.30 = 12,767
Tel DiA	50401'
	10.0/30.1 = 2.95=.36=1,061
Pel Dia	3PY02'
	10.1/30.1=298=.25=744
Red Ditt	59403'
	10.2/30.12 2.95=,07 = 206
Red DIA	SP50 Surface -32. 591307, -603. 121188
	10.1/30.2 = 2.49 = 2.34 = 6,994
nulgers	SP501'
	10.4/30.0=288=2.45=7.053
Kal Dira	A502'
	10.2/30.0= 294 = .52 = 1,528
fled DX	t 5P503'
	14.4/34.3=2.91=.15=436
15.7	H1 - 32591236, -103.121206
	10.2/30.0 = 298=.04=117
	H2 - 32 591543, -103.12/253
	10.5/30.0= 2.85=.05=142
in the second of	H3 - 32.591637, -103.120781
Kecel	10.1/30.0 = 297=.06= 178

HY - 32.591457, -103.12/112 10.6/30.1 = 2.83 = . 64 = 1/3 12/9/20 SPS @ 4',5',6' BJEX & ENT. TOH (LAB RESULTS NEEDED)

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

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 11731

CONDITIONS OF APPROVAL

Operator	:		OGRID:	Action Number:	Action Type:
	APACHE CORPORATION	303 Veterans Airpark Ln	873	11731	C-141
#1000	Midland, TX79705				

OCD Reviewer	Condition
ceads	None