Report Type: Closure Report 1RP-5324									
General Site Information:									
Site:		Hound Condor Tie-in							
Company:		EOG Resource		_	-	-			
Section, Townsh	ip and Range	Unit L	Sec 30	T 25S	R 34E				
County:		Lea County							
GPS:			32.09950			-103.	51690		
Surface Owner:		Federal			<u> </u>	2			
Directions:							ravel northeast on Battle nto lease road for 0.93		
		mi and arrive at lo							
Release Data:									
Date Released:		12/28/2018							
Type Release:		Produced Water							
Source of Contam	nination:	Riser Valve Gasket							
Fluid Released:	-	75 bbls water							
Fluids Recovered:		65 bbls water							
Official Commun			1		Ī				
Name:	James Kennedy				Clair Gonza	les			
Company:	EOG Resources				Tetra Tech				
Address:	5509 Champions D	r			901 W. Wall St.				
					Ste 100				
City: Midland Texas, 79706		06			Midland, Te	xas			
Phone number: (432) 258-4346					(432) 682-4	559			
Fax:									
Email:	James_Kennedy@	eogresources.c	<mark>com</mark>		Clair.Gonz	ales@tetrat	ech.com		

Site Characterization	
Depth to Groundwater:	

50' below surface

Recommended Remedial Action Levels (RRALs)					
Benzene	Total BTEX	TPH (GRO+DRO+MRO)	Chlorides		
10 mg/kg	50 mg/kg	100 mg/kg	600 mg/kg		



April 19, 2019

Environmental Engineer Specialist Oil Conservation Division, District 1 1625 North French Drive Hobbs, New Mexico 88240

Re: Closure Report for the EOG Resources, Hound/Condor Tie-in, Unit L, Section 30, Township 25 South, Range 34 East, Lea County, New Mexico. 1RP-5324

Tetra Tech, Inc. (Tetra Tech) was contacted by EOG Resources (EOG) to assess a release that occurred at the Hound/Condor Tie-in, Unit L, Section 30, Township 25 South, Range 34 East, Lea County, New Mexico (Site). The spill site coordinates are 32.09950°, -103.51690°. The site location is shown on Figures 1 and 2.

Background

According to the State of New Mexico C-141 Initial Report the release was discovered on December 28, 2018. Approximately 75 barrels of produced water was released due to a malfunctioning valve gasket. The release occurred at a riser in an area of pasture. A vacuum truck was dispatched to remove all free-standing fluids, recovering 65 barrels of produced water. The release impacted several areas ranging in size from approximately 20' X 25' to 25' x 65'. The initial C-141 Forms are included in Appendix A.

Site Characterization

A site characterization was performed for the site and no watercourses, lakebeds, sinkholes, playa lakes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, springs, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the specified distances and the site is in a low karst potential area. The nearest well is listed in the New Mexico Office of the State Engineers website website in Section 29, Township 25 South, Range 34 East, approximately 1.32 miles southeast of the site, and has a reported depth to groundwater of 50 feet below ground surface. The groundwater data is shown in Appendix B.

Regulatory

A risk-based evaluation was performed for the Site in accordance with the New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Leaks, Spills and Releases, updated August 14, 2018. The guidelines require a risk-based evaluation of the site to determine recommended remedial action levels (RRAL) for benzene, toluene,

 Tetra Tech

 4000 North Big Spring, Suite 401, Midland, TX 79705

 Tel
 432.682.4559
 Fax
 432.682.3946
 www.tetratech.com



ethylbenzene and xylene (collectively referred to as BTEX) and total petroleum hydrocarbons (TPH) in soil. The proposed RRAL for benzene was determined to be 10 parts per million (ppm) or milligrams per kilogram (mg/kg) and 50 ppm for total BTEX (sum of benzene, toluene, ethylbenzene, and xylene). Based upon the site characterization, the proposed RRAL for TPH is 100 mg/kg (GRO + DRO + MRO). Additionally, based on the site characterization, the proposed RRAL for chlorides is 600 mg/kg.

Remediation Activities

Tetra Tech personnel were onsite from March 8 through March 18, 2019 to supervise the remediation activities. Three (3) areas were excavated to total depths between 1.5' to 2.0' below surface. Sixteen (16) bottom hole composite samples (Bottom Hole 1 to Bottom Hole 16) and eleven (11) sidewall composite samples (North Sidewalls 1, 2, and 3, South Sidewalls 1 and 2, East Sidewalls 1, 2, and 3, and West Sidewalls 1, 2, and 3) were collected every 200 square feet to ensure proper removal of the impacted soils. The samples were submitted to the laboratory to be analyzed for TPH method 8015 extended, BTEX method 8021B, and Chloride by EPA Method 300.0. The sampling results are summarized in Table 1. The excavation depths and sample locations are shown in Figure 4.

Referring to Table 1, all collected confirmation samples showed benzene, total BTEX, TPH, and chloride concentrations below the RRAL's.

Approximately 298 cubic yards of material was excavated and transported offsite for proper disposal. The areas were then backfilled with clean material to surface grade.

Revegetation Plan

The area will be seeded with a Bureau of Land Management (BLM) seed mixture for shallow sites in June 2019 in order to coincide with the rainy season in Southeastern New Mexico to aid in revegetation. Based on the soils at the site, the Bureau of Land Management (BLM) Seed Mixture 1 will be used for seeding and will be planted in the amount specified in the pounds pure live seed (PLS) per acre. The seed mixture will be spread by a drill equipped with a depth regulator or a hand-held broadcaster and raked. If a hand-held broadcaster is used for dispersal, the pounds pure live seed per acre will be doubled.

Site inspections will be performed to assess the revegetation progress and evaluate the site for the presence of primary or secondary noxious weeds. If noxious weeds are identified, the BLM will be contacted to determine an effective method for eradication. If the site does not show revegetation after one growing season, the area will be reseeded as appropriate. The BLM seed mixture details and corresponding pounds pure live seed per acre are included in Appendix D.



Conclusion

Based on the laboratory results and remediation activities performed EOG requests closure of this spill issue. The final C-141 is enclosed in Appendix A. If you have any questions or comments concerning the assessment or remediation activities for this site, please call at (432) 682-4559.

Respectfully submitted, TETRA TECH

Congalos

Clair Gonzales, Project Manager

cc: James Kennedy – EOG Todd Wells - EOG Jim Amos - BLM

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Tables

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Table 1 EOG Hound Condor Lea County, New Mexico

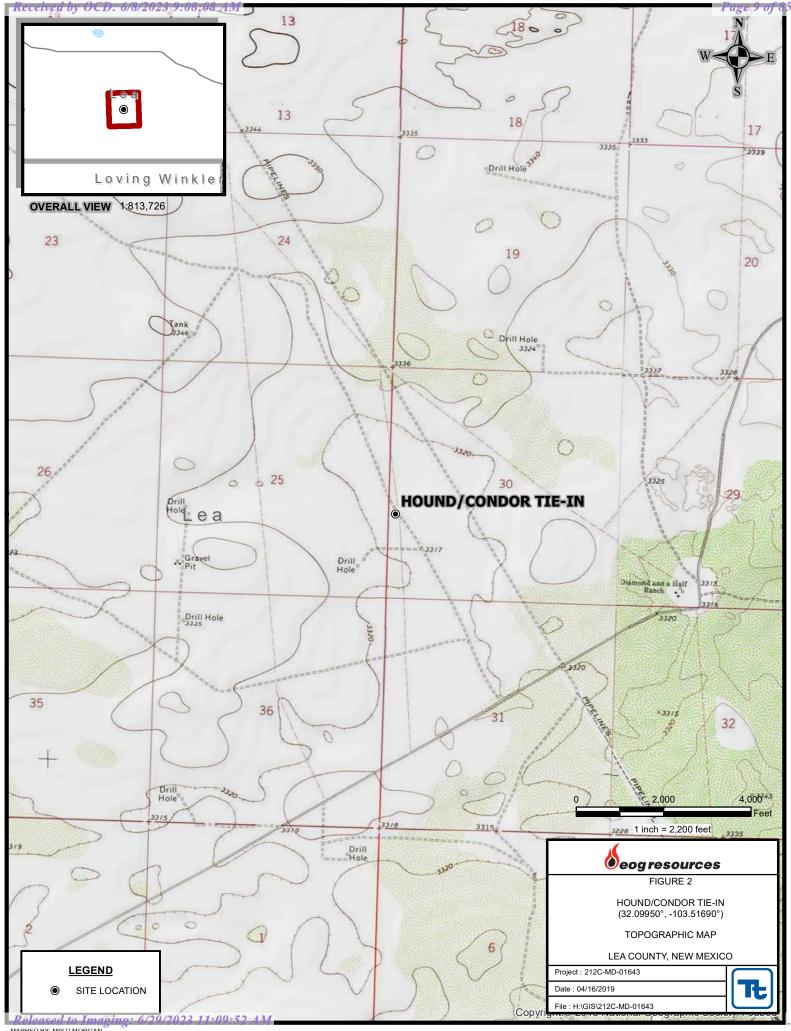
	Sample	Sample	BEB	Soil S	Status		TPH (mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total BTEX	Chloride
Sample ID	Date	Depth (ft)	Sample Depth (ft)	In-Situ	Removed	GRO	DRO	ORO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Bottom Hole 1	3/8/2019	-	2.0	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
Bottom Hole 2	3/8/2019	-	2.0	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
Bottom Hole 3	3/8/2019	-	2.0	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
Bottom Hole 4	3/8/2019	-	2.0	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
Bottom Hole 5	3/8/2019	-	2.0	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
Bottom Hole 6	3/8/2019	-	2.0	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
Bottom Hole 7	3/8/2019	-	1.5	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
Bottom Hole 8	3/8/2019	-	1.5	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
Bottom Hole 9	3/11/2019	-	2.0	Х		<15.0	<15.0	<15.0	<15.0	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	63.2
Bottom Hole 10	3/11/2019	-	2.0	Х		<14.9	<14.9	<14.9	<14.9	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	196
Bottom Hole 11	3/11/2019	-	2.0	Х		<15.0	<15.0	<15.0	<15.0	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	60.7
Bottom Hole 12	3/11/2019	-	2.0	Х		<15.0	<15.0	<15.0	<15.0	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	198
Bottom Hole 13	3/18/2019	-	2.0	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
Bottom Hole 14	3/18/2019	-	2.0	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
Bottom Hole 15	3/18/2019	-	2.0	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
Bottom Hole 16	3/18/2019	-	2.0	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
North Sidewall #1	3/11/2019	-	-	Х		<14.9	<14.9	<14.9	<14.9	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	17.0
North Sidewall #2	3/8/2019	-	-	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
North Sidewall #3	3/11/2019	-	-	Х		<15.0	<15.0	<15.0	<15.0	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	15.0
South Sidewall #1	3/8/2019	-	-	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	336
South Sidewall #2	3/11/2019	-	-	Х		<15.0	<15.0	<15.0	<15.0	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	17.1
East Sidewall #1	3/8/2019	-	-	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
East Sidewall #2	3/8/2019	-	-	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
East Sidewall #3	3/11/2019	-	-	Х		<15.0	<15.0	<15.0	<15.0	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	26.4
West Sidewall #1	3/8/2019	-	-	Х		<10.0	11.3	<10.0	11.3	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
West Sidewall #2	3/8/2019	-	-	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
West Sidewall #3	3/18/2019	-	-	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0

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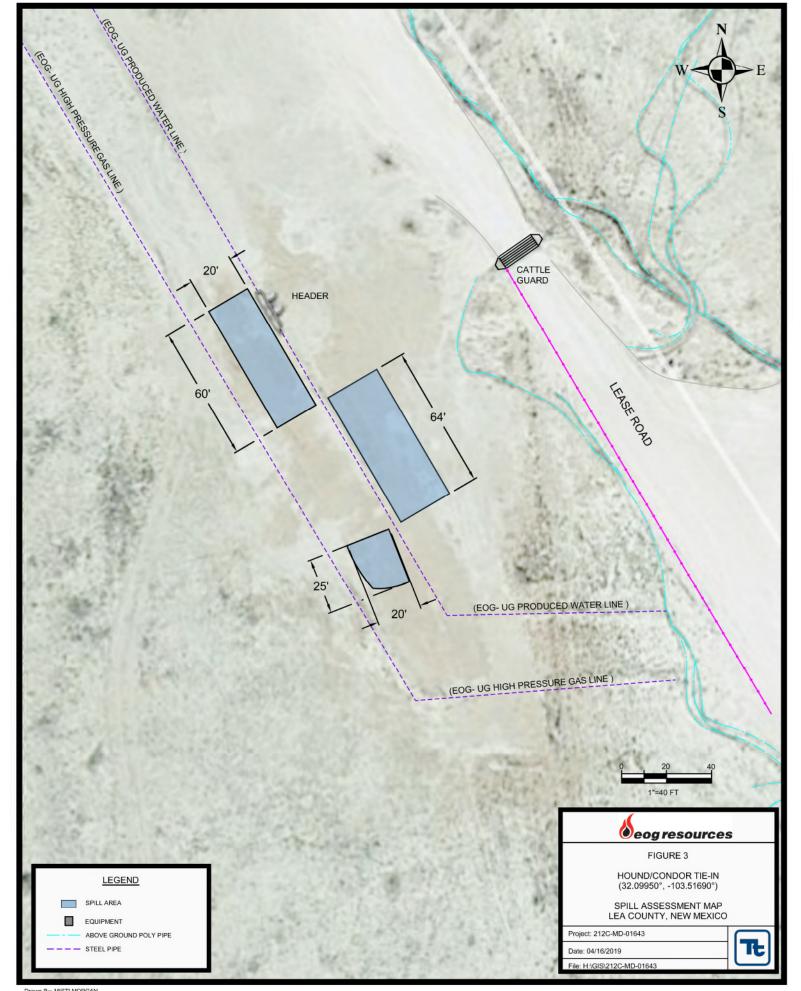
Figures

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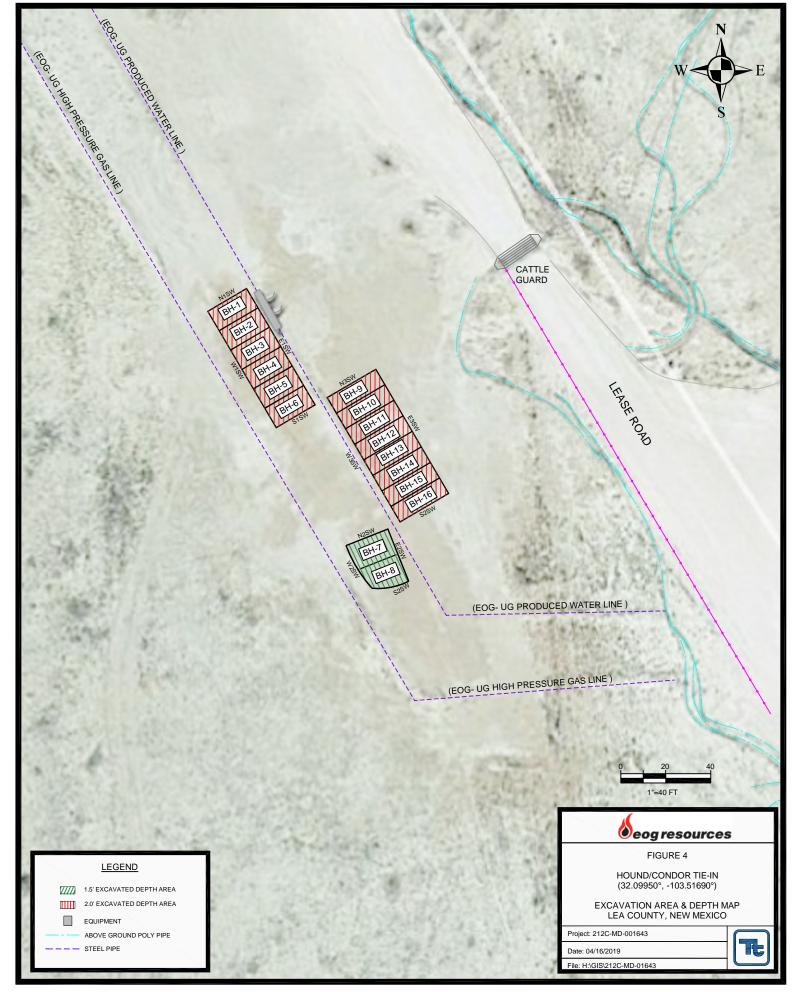




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Photos

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TETRA TECH

EOG Resources Hound/Condor Tie-in Lea County, New Mexico



View North – Area of Bottom Hole 1 to Bottom Hole 6



View Southeast – Area of Bottom Hole 7 & 8

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TETRA TECH

EOG Resources Hound/Condor Tie-in Lea County, New Mexico



View South – Area of Bottom Hole 9 to Bottom Hole 16

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Appendix A

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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	NCH1903541789
District RP	1RP-5324
Facility ID	fCH1903541153
Application ID	pCH1903542103

Release Notification

Responsible Party

Responsible Party: EOG Resources	OGRID: 7377
Contact Name: Jamon Hohensee	Contact Telephone: 432-556-8074
Contact email: jamon_hohensee@eogresources.com	Incident NCH1903541789 HOUND/CONDOR TIE IN
Contact mailing address: 5509 Champions Dr. Midland TX 79706	@ FCH1903541153

Location of Release Source

 Latitude 32.09950_______
 Longitude -103.51690_______

 (NAD 83 in decimal degrees to 5 decimal places)

 Site Name: Hound/Condor Tie in
 Site Type: Pipeline

 Date Release Discovered: 12/28/18
 API# (if applicable)

Unit Letter	Section	Township	Range	County
L	30	258	34E	Lea

Surface Owner: State Federal Tribal Private (Name:

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls) 75	Volume Recovered (bbls) 65
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
called out to recover flu stopped. An estimated 2	id to draw down water in the riser and to recover fluid	from malfunctioned valve gasket. Vacuum trucks were s on the ground. The gasket was repaired and leak was and estimated 75bbls of fluid released. Vacuum trucks ls.

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Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the responsible party consider this a major release? Estimated volume released was greater than 25bbls
🛛 Yes 🗌 No	
	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? to Christina Hernandez by email.

Initial Response

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

 \boxtimes The source of the release has been stopped.

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why: The free standing liquids were recovered by vacuum truck.

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

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: Jamon Hohensee	Title: Environmental Rep
Signature: Jo 11.	Date: 1/4/19
email: jamon_hohensee@eogresources.com	Telephone: 432-556-8074
OCD Only	
Received by:	Date:

Oil Conservation Division

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Incident ID	NCH1903541789
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?	(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.

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

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

Laboratory data including chain of custody

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

Received by OCD: 6/8/2	2023 9:08:08 AM State of New Mexic	20		Page 19 of 85
			Incident ID	NCH1903541789
Page 4	Oil Conservation Division		District RP	
			Facility ID	
			Application ID	
regulations all operators public health or the envir failed to adequately inve addition, OCD acceptance and/or regulations. Printed Name: _James Signature:am email:james_kenne	information given above is true and complete are required to report and/or file certain relea ronment. The acceptance of a C-141 report b stigate and remediate contamination that post ce of a C-141 report does not relieve the oper s F Kennedy	ase notifications and perform co by the OCD does not relieve the e a threat to groundwater, surfa ator of responsibility for compl	orrective actions for rele e operator of liability sho ce water, human health liance with any other feo l Specilaist	ases which may endanger ould their operations have or the environment. In deral, state, or local laws
OCD Only Received by: Jo	celyn Harimon	Date:06	/08/2023	

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Oil Conservation Division

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District RP	
Facility ID	
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Closure

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

<u>Closure Report Attachment Checklist</u> : Each of the following a	items must be included in the closure report.					
A scaled site and sampling diagram as described in 19.15.29.11 NMAC						
Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)						
Laboratory analyses of final sampling (Note: appropriate OD	C District office must be notified 2 days prior to final sampling)					
Description of remediation activities						
and regulations all operators are required to report and/or file certaid may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and re- human health or the environment. In addition, OCD acceptance of	ations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in OCD when reclamation and re-vegetation are complete.					
OCD Only						
Received by: Jocelyn Harimon	Date: 06/08/2023					
remediate contamination that poses a threat to groundwater, surface party of compliance with any other federal, state, or local laws and	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible /or regulations.					
Closure Approved by: Hall	Date:6/29/2023					
Printed Name:Brittany Hall	Title: Environmental Specialist					

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Appendix B

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Water Well Data Average Depth to Groundwater (ft) EOG- Hound/Condor Tie in Lea County, New Mexico

24 South			33	East	
6	5	4	3	2	1
7	8	9	10 24.6	11	12
18	17	16	15	14	13
19	20	21	22	23 208	24 16.9
30	29	28	27	26	25
31	32	33 <mark>93.2</mark>	34	35	36

-	24 Sc	outh	34	East	
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

_	24 So	outh	35	East	
6	5	4	3	2	1
7	8	9	10 300	11	12
18	17	16	15	14	13
19	20 97	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

	25 Sc	outh	33	East	
6	5	4	3 172	2	1
7	8	9	10	11 140	12 200
18	17	16	15	14	13
19	20 200	21 120	22	23	24
30	29	28	27 125	26	25
31 257	32	33	34	35	36

	25 Sc	outh	34	East	
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30 SITE	29 50	28	27	26	25
31	32	33	34	35	36

	25 S	outh	35	East	
6	5 165	4	3 108	2	1
7	8	9	10	11	12
18 230	17	16	15	14	13
19	20	21 218	22	23	24
30 80	29	28	27	26	25
31	32	33	34	35	36

26 South			33 East		
6	5	4	3 <mark>180</mark>	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

	26 So	outh	34	East	
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

	26 \$	South	;	35 Eas	t
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

eports

s in Southern Lea, County, NM (Report 6) s of Eddy County, NM (Report 3)

34 NMOCD - Groundwater Data

123 Tetra Tech installed temporary wells and field water level

143 NMOCD Groundwater map well location

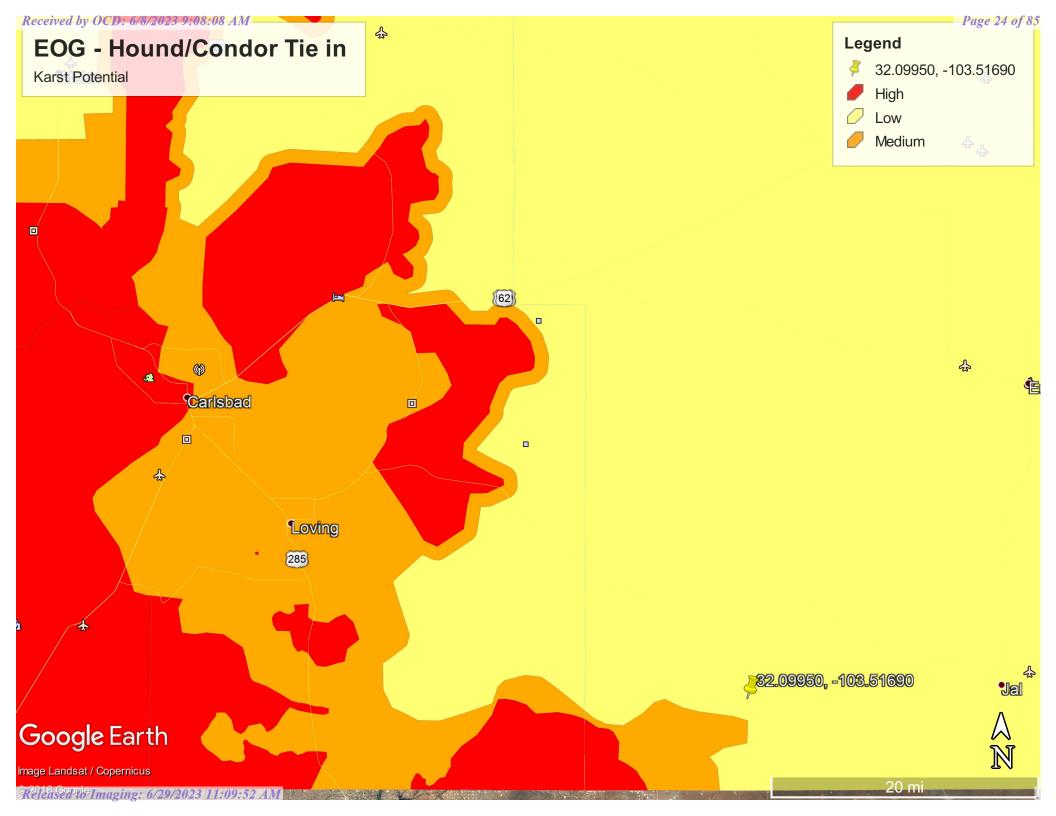
88	New Mexico State Engineers Well Re
105	USGS Well Reports
90	Geology and Groundwater Conditions
	Geology and Groundwater Resources

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)	(R=POD replaced, O=orphan C=the file closed)	ned,	(qu						E 3=SW argest)	,	3 UTM in meter	s) (In	feet)	
		POD Sub-		0	Q	0							W	ater
POD Number	Code		County	-	_	-	Sec	Tws	Rng	х	Y	DepthWellDepth		
<u>C 02299</u>		CUB	LE		4			25S		649417	3554478* 🌍	350	300	50
<u>C 02314</u>		CUB	LE	2	4	2	15	25S	34E	646170	3556243* 🥌	175	135	40
<u>C 02315</u>		CUB	LE	2	4	2	15	25S	34E	646170	3556243* 🌍	175	135	40
<u>C 02316</u>		CUB	LE	3	4	3	29	25S	34E	642003	3551967* 🌍	100	50	50
<u>C 02317</u>		CUB	LE	3	4	3	29	25S	34E	642003	3551967* 🌍	100	50	50
<u>C 02401</u>		CUB	LE	2	2	1	01	258	34E	648534	3559896* 🌍	275	260	1:
											Average Depth t	o Water:	155 feet	t
											Minimu	m Depth:	50 feet	t
											Maximu	m Depth:	300 feet	t
Record Count: 6														
Basin/County Search:														
County: Lea														
PLSS Search:														
Township: 258	Range:	34E												

4/10/19 2:51 PM

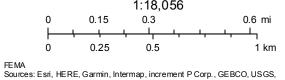
WATER COLUMN/ AVERAGE DEPTH TO WATER

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New Mexico NFHL Data





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Appendix C

Released to Imaging: 6/29/2023 11:09:52 AM



March 11, 2019

CLAIR GONZALES TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND, TX 79701

RE: HOUND CONDOR TIE IN

Enclosed are the results of analyses for samples received by the laboratory on 03/08/19 14:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at 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.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



TETRA TECH CLAIR GONZALES 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	03/08/2019	Sampling Date:	03/08/2019
Reported:	03/11/2019	Sampling Type:	Soil
Project Name:	HOUND CONDOR TIE IN	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01643	Sample Received By:	Jodi Henson
Project Location:	EOG-LEA CO. NM		

Sample ID: BOTTOM HOLE #1 (2' BEB) (H900951-01)

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	03/11/2019	ND	2.16	108	2.00	4.13	
Toluene*	<0.050	0.050	03/11/2019	ND	2.00	100	2.00	3.04	
Ethylbenzene*	<0.050	0.050	03/11/2019	ND	2.09	104	2.00	2.31	
Total Xylenes*	<0.150	0.150	03/11/2019	ND	6.55	109	6.00	2.94	
Total BTEX	<0.300	0.300	03/11/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.1	% 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	03/09/2019	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/09/2019	ND	180	89.8	200	5.64	
DRO >C10-C28*	<10.0	10.0	03/09/2019	ND	177	88.3	200	8.36	
EXT DRO >C28-C36	<10.0	10.0	03/09/2019	ND					
Surrogate: 1-Chlorooctane	97.7	% 41-142	2						
Surrogate: 1-Chlorooctadecane	98.3	% 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH CLAIR GONZALES 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	03/08/2019	Sampling Date:	03/08/2019
Reported:	03/11/2019	Sampling Type:	Soil
Project Name:	HOUND CONDOR TIE IN	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01643	Sample Received By:	Jodi Henson
Project Location:	EOG-LEA CO. NM		

Sample ID: BOTTOM HOLE #2 (2' BEB) (H900951-02)

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	03/11/2019	ND	2.16	108	2.00	4.13	
Toluene*	<0.050	0.050	03/11/2019	ND	2.00	100	2.00	3.04	
Ethylbenzene*	<0.050	0.050	03/11/2019	ND	2.09	104	2.00	2.31	
Total Xylenes*	<0.150	0.150	03/11/2019	ND	6.55	109	6.00	2.94	
Total BTEX	<0.300	0.300	03/11/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.1	% 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	48.0	16.0	03/09/2019	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/09/2019	ND	180	89.8	200	5.64	
DRO >C10-C28*	<10.0	10.0	03/09/2019	ND	177	88.3	200	8.36	
EXT DRO >C28-C36	<10.0	10.0	03/09/2019	ND					
Surrogate: 1-Chlorooctane	110 9	% 41-142							
Surrogate: 1-Chlorooctadecane	110 9	% 37.6-14	7						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH CLAIR GONZALES 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	03/08/2019	Sampling Date:	03/08/2019
Reported:	03/11/2019	Sampling Type:	Soil
Project Name:	HOUND CONDOR TIE IN	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01643	Sample Received By:	Jodi Henson
Project Location:	EOG-LEA CO. NM		

Sample ID: BOTTOM HOLE #3 (2' BEB) (H900951-03)

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	03/11/2019	ND	2.16	108	2.00	4.13	
Toluene*	<0.050	0.050	03/11/2019	ND	2.00	100	2.00	3.04	
Ethylbenzene*	<0.050	0.050	03/11/2019	ND	2.09	104	2.00	2.31	
Total Xylenes*	<0.150	0.150	03/11/2019	ND	6.55	109	6.00	2.94	
Total BTEX	<0.300	0.300	03/11/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.8	% 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	80.0	16.0	03/09/2019	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/08/2019	ND	193	96.7	200	3.78	
DRO >C10-C28*	<10.0	10.0	03/08/2019	ND	181	90.7	200	18.3	
EXT DRO >C28-C36	<10.0	10.0	03/08/2019	ND					
Surrogate: 1-Chlorooctane	85.2	% 41-142	,						
Surrogate: 1-Chlorooctadecane	95.3	% 37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager



TETRA TECH CLAIR GONZALES 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	03/08/2019	Sampling Date:	03/08/2019
Reported:	03/11/2019	Sampling Type:	Soil
Project Name:	HOUND CONDOR TIE IN	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01643	Sample Received By:	Jodi Henson
Project Location:	EOG-LEA CO. NM		

Sample ID: BOTTOM HOLE #4 (2' BEB) (H900951-04)

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	03/11/2019	ND	2.16	108	2.00	4.13	
Toluene*	<0.050	0.050	03/11/2019	ND	2.00	100	2.00	3.04	
Ethylbenzene*	<0.050	0.050	03/11/2019	ND	2.09	104	2.00	2.31	
Total Xylenes*	<0.150	0.150	03/11/2019	ND	6.55	109	6.00	2.94	
Total BTEX	<0.300	0.300	03/11/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8	% 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	128	16.0	03/09/2019	ND	432	108	400	3.64	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/09/2019	ND	193	96.7	200	3.78	
DRO >C10-C28*	<10.0	10.0	03/09/2019	ND	181	90.7	200	18.3	
EXT DRO >C28-C36	<10.0	10.0	03/09/2019	ND					
Surrogate: 1-Chlorooctane	88.7	% 41-142	,						
Surrogate: 1-Chlorooctadecane	97.6	% 37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager



TETRA TECH CLAIR GONZALES 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	03/08/2019	Sampling Date:	03/08/2019
Reported:	03/11/2019	Sampling Type:	Soil
Project Name:	HOUND CONDOR TIE IN	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01643	Sample Received By:	Jodi Henson
Project Location:	EOG-LEA CO. NM		

Sample ID: BOTTOM HOLE #5 (2' BEB) (H900951-05)

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	03/11/2019	ND	2.16	108	2.00	4.13	
Toluene*	<0.050	0.050	03/11/2019	ND	2.00	100	2.00	3.04	
Ethylbenzene*	<0.050	0.050	03/11/2019	ND	2.09	104	2.00	2.31	
Total Xylenes*	<0.150	0.150	03/11/2019	ND	6.55	109	6.00	2.94	
Total BTEX	<0.300	0.300	03/11/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8	% 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	03/09/2019	ND	432	108	400	3.64	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/09/2019	ND	193	96.7	200	3.78	
DRO >C10-C28*	<10.0	10.0	03/09/2019	ND	181	90.7	200	18.3	
EXT DRO >C28-C36	<10.0	10.0	03/09/2019	ND					
Surrogate: 1-Chlorooctane	82.5	% 41-142	,						
Surrogate: 1-Chlorooctadecane	90.3	% 37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager



TETRA TECH CLAIR GONZALES 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	03/08/2019	Sampling Date:	03/08/2019
Reported:	03/11/2019	Sampling Type:	Soil
Project Name:	HOUND CONDOR TIE IN	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01643	Sample Received By:	Jodi Henson
Project Location:	EOG-LEA CO. NM		

Sample ID: BOTTOM HOLE #6 (2' BEB) (H900951-06)

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	03/11/2019	ND	2.16	108	2.00	4.13	
Toluene*	<0.050	0.050	03/11/2019	ND	2.00	100	2.00	3.04	
Ethylbenzene*	<0.050	0.050	03/11/2019	ND	2.09	104	2.00	2.31	
Total Xylenes*	<0.150	0.150	03/11/2019	ND	6.55	109	6.00	2.94	
Total BTEX	<0.300	0.300	03/11/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.5	% 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	160	16.0	03/09/2019	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/09/2019	ND	193	96.7	200	3.78	
DRO >C10-C28*	<10.0	10.0	03/09/2019	ND	181	90.7	200	18.3	
EXT DRO >C28-C36	<10.0	10.0	03/09/2019	ND					
Surrogate: 1-Chlorooctane	83.8	% 41-142	2						
Surrogate: 1-Chlorooctadecane	92.5	% 37.6-14	7						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH CLAIR GONZALES 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	03/08/2019	Sampling Date:	03/08/2019
Reported:	03/11/2019	Sampling Type:	Soil
Project Name:	HOUND CONDOR TIE IN	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01643	Sample Received By:	Jodi Henson
Project Location:	EOG-LEA CO. NM		

Sample ID: BOTTOM HOLE #7 (1.5' BEB) (H900951-07)

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	03/11/2019	ND	2.16	108	2.00	4.13	
Toluene*	<0.050	0.050	03/11/2019	ND	2.00	100	2.00	3.04	
Ethylbenzene*	<0.050	0.050	03/11/2019	ND	2.09	104	2.00	2.31	
Total Xylenes*	<0.150	0.150	03/11/2019	ND	6.55	109	6.00	2.94	
Total BTEX	<0.300	0.300	03/11/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.3	% 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	64.0	16.0	03/09/2019	ND	432	108	400	3.64	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/09/2019	ND	193	96.7	200	3.78	
DRO >C10-C28*	<10.0	10.0	03/09/2019	ND	181	90.7	200	18.3	
EXT DRO >C28-C36	<10.0	10.0	03/09/2019	ND					
Surrogate: 1-Chlorooctane	84.4	% 41-142							
Surrogate: 1-Chlorooctadecane	94.6	% 37.6-14	7						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH CLAIR GONZALES 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	03/08/2019	Sampling Date:	03/08/2019
Reported:	03/11/2019	Sampling Type:	Soil
Project Name:	HOUND CONDOR TIE IN	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01643	Sample Received By:	Jodi Henson
Project Location:	EOG-LEA CO. NM		

Sample ID: BOTTOM HOLE #8 (1.5' BEB) (H900951-08)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/11/2019	ND	2.19	109	2.00	6.18	
Toluene*	<0.050	0.050	03/11/2019	ND	2.26	113	2.00	4.40	
Ethylbenzene*	<0.050	0.050	03/11/2019	ND	2.20	110	2.00	6.55	
Total Xylenes*	<0.150	0.150	03/11/2019	ND	6.16	103	6.00	5.41	
Total BTEX	<0.300	0.300	03/11/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	82.7	% 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	03/09/2019	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/09/2019	ND	193	96.7	200	3.78	
DRO >C10-C28*	<10.0	10.0	03/09/2019	ND	181	90.7	200	18.3	
EXT DRO >C28-C36	<10.0	10.0	03/09/2019	ND					
Surrogate: 1-Chlorooctane	78.5	% 41-142	?						
Surrogate: 1-Chlorooctadecane	87.7	% 37.6-14	7						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH CLAIR GONZALES 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	03/08/2019	Sampling Date:	03/08/2019
Reported:	03/11/2019	Sampling Type:	Soil
Project Name:	HOUND CONDOR TIE IN	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01643	Sample Received By:	Jodi Henson
Project Location:	EOG-LEA CO. NM		

Sample ID: NORTH #2 SIDEWALL (H900951-09)

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	03/11/2019	ND	2.19	109	2.00	6.18	
Toluene*	<0.050	0.050	03/11/2019	ND	2.26	113	2.00	4.40	
Ethylbenzene*	<0.050	0.050	03/11/2019	ND	2.20	110	2.00	6.55	
Total Xylenes*	<0.150	0.150	03/11/2019	ND	6.16	103	6.00	5.41	
Total BTEX	<0.300	0.300	03/11/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	84.4	% 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	48.0	16.0	03/09/2019	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/09/2019	ND	193	96.7	200	3.78	
DRO >C10-C28*	<10.0	10.0	03/09/2019	ND	181	90.7	200	18.3	
EXT DRO >C28-C36	<10.0	10.0	03/09/2019	ND					
Surrogate: 1-Chlorooctane	87.5	% 41-142	,						
Surrogate: 1-Chlorooctadecane	96.9	% 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH CLAIR GONZALES 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	03/08/2019	Sampling Date:	03/08/2019
Reported:	03/11/2019	Sampling Type:	Soil
Project Name:	HOUND CONDOR TIE IN	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01643	Sample Received By:	Jodi Henson
Project Location:	EOG-LEA CO. NM		

Sample ID: EAST #1 SIDEWALL (H900951-10)

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	03/11/2019	ND	2.19	109	2.00	6.18	
Toluene*	<0.050	0.050	03/11/2019	ND	2.26	113	2.00	4.40	
Ethylbenzene*	<0.050	0.050	03/11/2019	ND	2.20	110	2.00	6.55	
Total Xylenes*	<0.150	0.150	03/11/2019	ND	6.16	103	6.00	5.41	
Total BTEX	<0.300	0.300	03/11/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	81.6	% 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	160	16.0	03/09/2019	ND	432	108	400	3.64	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/09/2019	ND	193	96.7	200	3.78	
DRO >C10-C28*	<10.0	10.0	03/09/2019	ND	181	90.7	200	18.3	
EXT DRO >C28-C36	<10.0	10.0	03/09/2019	ND					
Surrogate: 1-Chlorooctane	82.7	% 41-142							
Surrogate: 1-Chlorooctadecane	91.9	% 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH CLAIR GONZALES 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	03/08/2019	Sampling Date:	03/08/2019
Reported:	03/11/2019	Sampling Type:	Soil
Project Name:	HOUND CONDOR TIE IN	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01643	Sample Received By:	Jodi Henson
Project Location:	EOG-LEA CO. NM		

Sample ID: EAST #2 SIDEWALL (H900951-11)

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	03/11/2019	ND	2.19	109	2.00	6.18	
Toluene*	<0.050	0.050	03/11/2019	ND	2.26	113	2.00	4.40	
Ethylbenzene*	<0.050	0.050	03/11/2019	ND	2.20	110	2.00	6.55	
Total Xylenes*	<0.150	0.150	03/11/2019	ND	6.16	103	6.00	5.41	
Total BTEX	<0.300	0.300	03/11/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	86.8	% 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	03/09/2019	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/09/2019	ND	193	96.7	200	3.78	
DRO >C10-C28*	<10.0	10.0	03/09/2019	ND	181	90.7	200	18.3	
EXT DRO >C28-C36	<10.0	10.0	03/09/2019	ND					
Surrogate: 1-Chlorooctane	84.6	% 41-142	2						
Surrogate: 1-Chlorooctadecane	91.7	% 37.6-14							

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH CLAIR GONZALES 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	03/08/2019	Sampling Date:	03/08/2019
Reported:	03/11/2019	Sampling Type:	Soil
Project Name:	HOUND CONDOR TIE IN	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01643	Sample Received By:	Jodi Henson
Project Location:	EOG-LEA CO. NM		

Sample ID: SOUTH #1 SIDEWALL (H900951-12)

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	03/11/2019	ND	2.19	109	2.00	6.18	
Toluene*	<0.050	0.050	03/11/2019	ND	2.26	113	2.00	4.40	
Ethylbenzene*	<0.050	0.050	03/11/2019	ND	2.20	110	2.00	6.55	
Total Xylenes*	<0.150	0.150	03/11/2019	ND	6.16	103	6.00	5.41	
Total BTEX	<0.300	0.300	03/11/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	82.7	% 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	336	16.0	03/09/2019	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/09/2019	ND	193	96.7	200	3.78	
DRO >C10-C28*	<10.0	10.0	03/09/2019	ND	181	90.7	200	18.3	
EXT DRO >C28-C36	<10.0	10.0	03/09/2019	ND					
Surrogate: 1-Chlorooctane	82.2	% 41-142	,						
Surrogate: 1-Chlorooctadecane	89.2	% 37.6-14	7						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH CLAIR GONZALES 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	03/08/2019	Sampling Date:	03/08/2019
Reported:	03/11/2019	Sampling Type:	Soil
Project Name:	HOUND CONDOR TIE IN	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01643	Sample Received By:	Jodi Henson
Project Location:	EOG-LEA CO. NM		

Sample ID: WEST #1 SIDEWALL (H900951-13)

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	03/11/2019	ND	2.19	109	2.00	6.18	
Toluene*	<0.050	0.050	03/11/2019	ND	2.26	113	2.00	4.40	
Ethylbenzene*	<0.050	0.050	03/11/2019	ND	2.20	110	2.00	6.55	
Total Xylenes*	<0.150	0.150	03/11/2019	ND	6.16	103	6.00	5.41	
Total BTEX	<0.300	0.300	03/11/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	85.8	% 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	64.0	16.0	03/09/2019	ND	432	108	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/09/2019	ND	193	96.7	200	3.78	
DRO >C10-C28*	11.3	10.0	03/09/2019	ND	181	90.7	200	18.3	
EXT DRO >C28-C36	<10.0	10.0	03/09/2019	ND					
Surrogate: 1-Chlorooctane	86.4	% 41-142	,						
Surrogate: 1-Chlorooctadecane	95.8	% 37.6-14	7						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH CLAIR GONZALES 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	03/08/2019	Sampling Date:	03/08/2019
Reported:	03/11/2019	Sampling Type:	Soil
Project Name:	HOUND CONDOR TIE IN	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01643	Sample Received By:	Jodi Henson
Project Location:	EOG-LEA CO. NM		

Sample ID: WEST #2 SIDEWALL (H900951-14)

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	03/11/2019	ND	2.19	109	2.00	6.18	
Toluene*	<0.050	0.050	03/11/2019	ND	2.26	113	2.00	4.40	
Ethylbenzene*	<0.050	0.050	03/11/2019	ND	2.20	110	2.00	6.55	
Total Xylenes*	<0.150	0.150	03/11/2019	ND	6.16	103	6.00	5.41	
Total BTEX	<0.300	0.300	03/11/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	82.8	% 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	03/09/2019	ND	432	108	400	3.64	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/09/2019	ND	193	96.7	200	3.78	
DRO >C10-C28*	<10.0	10.0	03/09/2019	ND	181	90.7	200	18.3	
EXT DRO >C28-C36	<10.0	10.0	03/09/2019	ND					
Surrogate: 1-Chlorooctane	83.1	% 41-142	,						
Surrogate: 1-Chlorooctadecane	89.7	% 37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

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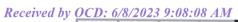
Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

		Relinquished by:	consideration by	Pelinquished hv:	Relinquished by:	2		8	7	6	(r	4	Ca	2		(LAB USE)	LAB #	HRODRE		Comments:		(county, state)	Project Location:	Project Name:	Client Name:
		: Date: Time:		hild 2/8/14	2	North # 2 SidewAll	1002TH at Sideward	Bottom Hole # 8 (1.5' BEB)	Bottom Wole#7 (1.5' BEB)	Bottom Hole # 6 (2' BEB)	Bottom Holc # 5 (2' BEB)	Bottom Holic #4 (2)	Dottom Holc #3 (2'ISEB)	Bottom Hole #2 (2'BEB)	Bottom Hold #1 (2' BEB)		SAMPLE IDENTIFICATION			THONY: CARDINAL	EDL JAMES KENDEDY	CEA CO, NM	YOUND - CONS		i etra i ecn, inc.
	nocented by.	Received hy:	Received by:	Huch	Received by:	31814	361-	31811	19 8 8	3/8/14	3/8/12	3/8/19	3 8/19	3/8/12	3/8/17	DATE	YEAR: 2019	SAMPLING		Sampler Signature:		rivjeci #.	Project #	-	Site Manager:
		2	Da	Alenson	. // D	×	¥	×	×	×	×	*	×	×	_	TIME WATE SOIL	R	IG MATRIX		re: CONNER M		2120-mp- 01643		CLAIR LON	Midta Tel Fax
	Date: Time:		Date: Time:	SN	Date: Time:	×	*	×	×	×	× -	× `	×	×	×	HCL HNO ₃ ICE None		PRESERVATIVE METHOD		\$ TONY L				LONZALES	Midland,Texas 79705 Tel (432) 682-4559 Fax (432) 682-3946
				14:52		-	ł	- 2	-	2	2	2 7	+	-		# CONT									
(Circle) HAND DEI IVERED	Lb#	4.8%	Sample Temperature	ONLY	3.91	× 7 × 1	× >	× ×			× 7	× × ×	× ` `	×	7 × 7 F	PH TX PH 80 PAH 82 Total Me	1005 15M (70C tals A	(Ext to GRO - g As Ba	a Cd Cr F	RO - M	9			(Circle	1
FEDEX UPS	Special Repo	Rush Charges Authorized	RUSH: Sam	STANDARD	REMARKS:										T F G	CLP Vo CLP Se ICI IC/MS V	latiles mi Vo ol. 82 emi. N	latiles 260B / Vol. 82	Ba Cd Cr 624 270C/625	Pb Se H	g			ANALYSIS RE	
Tracking #-	Special Report Limits or TRRP Report	s Authorized	Same Day 24 hr 48 hr	ARD		< >		K	× >	< >	(>	< >		× >	× C G	ORM LM (Ast hloride hloride	estos Sul Water) Ifate ^r Chem	TDS nistry (see	e attach	ned list	t)		REQUEST	
	ort		72 hr													old									Page

Received by OCD: 6/8/2023 9:08:08 AM

Page 43 of 85



Page 44 of 85

Received by: ORIGINAL	Reg		1 1								SAMPLE IDENTIFICATION			\$ 0 \$		TIE IN		Tetra Tech, Inc.	Analysis Request of Chain of Custody Record
Received by: Date: Time: ORIGINAL COPY	Redeived by: Date: Time:	1 10000 5/8/19			1 × × 18/2	3 8 1 5 1	1 X X 18	3/8/19 X X 1	3 8 m X 1	DATE TIME WATER SOIL HCL HNO ₃ ICE None # CONTAI	YEAR: 2019 YEAR: 2019 YEAR: 2019 IN THE PRESERVATIVE		Sampler Signature:		Project #: 2120-100-01643		Site Manager: CLAIR LONZALES		
(Circle) HAND DELIVERED FEDEX UPS Tracking #:	Sample Temperature	ANDARD				× × × × × × ×	N X X X X X	× × ×	X X X	FILTERED BTEX 802 TPH TX10 TPH 80150 PAH 82700 Total Metal TCLP Meta TCLP Volat TCLP Semi RCI GC/MS Vol GC/MS Ser PCB's 8080 NORM PLM (Asbes Chloride	D (Y/N) 11B BT 105 (Ext to M (GRO C Is Ag As to als Ag As tiles i Volatiles i Volatiles i Volatiles i Volatiles stos) Sulfate ater Che	- DRO - C Ba Cd Cr P Ba Cd Cr 6 7 624 9270C/625 TDS mistry (se	PRO - M Pb Se H Pb Se F	g lg		(Circle or Specify Method No.)	ANALYSIS REQUEST	Page 1	Page 2 of



Project Id:212C-MD-01643Contact:Clair GonzalesProject Location:Lea County, NM

Certificate of Analysis Summary 617268

Tetra Tech- Midland, Midland, TX Project Name: EOG-Hound-Condor



Date Received in Lab: Tue Mar-12-19 10:00 am Report Date: 13-MAR-19 Project Manager: Jessica Kramer

	Lab Id:	617268-	001	617268-	002	617268-	003	617268-	004	617268-	005	617268-0	006
Are aliain Do anostad	Field Id:	Bottom Hole 9	(2' BEB)	Bottom Hole 10) (2' BEB)	Bottom Hole 11	(2' BEB)	Bottom Hole 12	2 (2' BEB)	North 1 Sid	ewall	North 3 Sid	lewall
Analysis Requested	Depth:												
	Matrix:	SOIL		SOIL	,	SOIL		SOIL		SOIL		SOIL	,
	Sampled:	Mar-11-19	00:00	Mar-11-19	00:00	Mar-11-19	00:00	Mar-11-19	00:00	Mar-11-19	00:00	Mar-11-19	00:00
BTEX by EPA 8021B	Extracted:	Mar-12-19	10:30	Mar-12-19	10:30	Mar-12-19	10:30	Mar-12-19	10:30	Mar-12-19	10:30	Mar-12-19	10:30
	Analyzed:	Mar-13-19	01:04	Mar-13-19	01:23	Mar-13-19	01:42	Mar-13-19	02:01	Mar-13-19	02:20	Mar-13-19	02:39
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		< 0.00201	0.00201	< 0.00200	0.00200	< 0.00201	0.00201	< 0.00201	0.00201	< 0.00200	0.00200	< 0.00198	0.00198
Toluene		< 0.00201	0.00201	< 0.00200	0.00200	< 0.00201	0.00201	< 0.00201	0.00201	< 0.00200	0.00200	< 0.00198	0.00198
Ethylbenzene		< 0.00201	0.00201	< 0.00200	0.00200	< 0.00201	0.00201	< 0.00201	0.00201	< 0.00200	0.00200	< 0.00198	0.00198
m,p-Xylenes		< 0.00402	0.00402	< 0.00399	0.00399	< 0.00402	0.00402	< 0.00402	0.00402	< 0.00400	0.00400	< 0.00396	0.00396
o-Xylene		< 0.00201	0.00201	< 0.00200	0.00200	< 0.00201	0.00201	< 0.00201	0.00201	< 0.00200	0.00200	< 0.00198	0.00198
Total Xylenes		< 0.00201	0.00201	< 0.00200	0.00200	< 0.00201	0.00201	< 0.00201	0.00201	< 0.00200	0.00200	< 0.00198	0.00198
Total BTEX		< 0.00201	0.00201	< 0.00200	0.00200	< 0.00201	0.00201	< 0.00201	0.00201	< 0.00200	0.00200	< 0.00198	0.00198
Chloride by EPA 300	Extracted:	Mar-12-19	15:30	Mar-12-19	15:30	Mar-12-19	15:30	Mar-12-19	15:30	Mar-12-19	15:30	Mar-12-19	15:30
	Analyzed:	Mar-12-19	16:28	Mar-12-19	17:00	Mar-12-19	17:11	Mar-12-19	18:08	Mar-12-19	18:18	Mar-12-19	18:50
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		63.2	4.97	196	4.97	60.7	4.98	198	4.99	17.0	5.04	15.0	5.01
TPH By SW8015 Mod	Extracted:	Mar-12-19	10:00	Mar-12-19	10:00	Mar-12-19	10:00	Mar-12-19	10:00	Mar-12-19	10:00	Mar-12-19	10:00
	Analyzed:	Mar-12-19	12:37	Mar-12-19	13:35	Mar-12-19	13:55	Mar-12-19	14:15	Mar-12-19	14:35	Mar-12-19	14:54
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<15.0	15.0	<14.9	14.9	<15.0	15.0	<15.0	15.0	<14.9	14.9	<15.0	15.0
Diesel Range Organics (DRO)		<15.0	15.0	<14.9	14.9	<15.0	15.0	<15.0	15.0	<14.9	14.9	<15.0	15.0
Motor Oil Range Hydrocarbons (MRO)		<15.0	15.0	<14.9	14.9	<15.0	15.0	<15.0	15.0	<14.9	14.9	<15.0	15.0
Total TPH		<15.0	15.0	<14.9	14.9	<15.0	15.0	<15.0	15.0	<14.9	14.9	<15.0	15.0

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

fession kramer

Jessica Kramer Project Assistant



Project Id:212C-MD-01643Contact:Clair GonzalesProject Location:Lea County, NM

Certificate of Analysis Summary 617268

Tetra Tech- Midland, Midland, TX Project Name: EOG-Hound-Condor



Date Received in Lab: Tue Mar-12-19 10:00 am Report Date: 13-MAR-19 Project Manager: Jessica Kramer

	Lab Id:	617268-0	07	617268-0	08			
	Field Id:	East 3 Side		South 2 Side				
Analysis Requested		East 5 Side	wall	South 2 Side	wan			
	Depth:							
	Matrix:	SOIL		SOIL				
	Sampled:	Mar-11-19	00:00	Mar-11-19 (00:00			
BTEX by EPA 8021B	Extracted:	Mar-12-19	10:30	Mar-12-19 1	.0:30			
	Analyzed:	Mar-13-19	02:58	Mar-13-19 (3:17			
	Units/RL:	mg/kg	RL	mg/kg	RL			
Benzene		< 0.00202	0.00202	< 0.00199	0.00199			
Toluene		< 0.00202	0.00202	< 0.00199	0.00199			
Ethylbenzene		< 0.00202	0.00202	< 0.00199	0.00199			
m,p-Xylenes		< 0.00403	0.00403	< 0.00398	0.00398			
o-Xylene		< 0.00202	0.00202	< 0.00199	0.00199			
Total Xylenes		< 0.00202	0.00202	< 0.00199	0.00199			
Total BTEX		< 0.00202	0.00202	< 0.00199	0.00199			
Chloride by EPA 300	Extracted:	Mar-12-19	15:30	Mar-12-19 1	5:30			
	Analyzed:	Mar-12-19	19:01	Mar-12-19 1	9:12			
	Units/RL:	mg/kg	RL	mg/kg	RL			
Chloride		26.4	5.00	17.1	5.00			
TPH By SW8015 Mod	Extracted:	Mar-12-19	10:00	Mar-12-19 1	0:00			
	Analyzed:	Mar-12-19	15:14	Mar-12-19 1	5:34			
	Units/RL:	mg/kg	RL	mg/kg	RL			
Gasoline Range Hydrocarbons (GRO)		<15.0	15.0	<15.0	15.0			
Diesel Range Organics (DRO)		<15.0	15.0	<15.0	15.0			
Motor Oil Range Hydrocarbons (MRO)		<15.0	15.0	<15.0	15.0			
Total TPH		<15.0	15.0	<15.0	15.0			

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

fession kramer

Jessica Kramer Project Assistant

Page 2 of 27

Analytical Report 617268

for Tetra Tech- Midland

Project Manager: Clair Gonzales

EOG-Hound-Condor

212C-MD-01643

13-MAR-19

Collected By: Client





1211 W. Florida Ave Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122): Texas (T104704215-18-28), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054) Oklahoma (2017-142)

> Xenco-Dallas (EPA Lab Code: TX01468): Texas (T104704295-18-17), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-18-14) Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-18-18) Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-18-18) Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-18-4) Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757) Xenco-Phoenix Mobile (EPA Lab Code: AZ00901): Arizona (AZM757) Xenco-Atlanta (LELAP Lab ID #04176) Xenco-Tampa: Florida (E87429), North Carolina (483) Xenco-Lakeland: Florida (E84098)





13-MAR-19

Project Manager: **Clair Gonzales Tetra Tech- Midland** 901 West Wall ST Midland, TX 79701

Reference: XENCO Report No(s): 617268 EOG-Hound-Condor Project Address: Lea County, NM

Clair Gonzales:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 617268. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 617268 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jession Vermer

Jessica Kramer Project Assistant

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Houston - Dallas - Midland - San Antonio - Phoenix - Oklahoma - Latin America

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Sample Id

Bottom Hole 9 (2' BEB)
Bottom Hole 10 (2' BEB)
Bottom Hole 11 (2' BEB)
Bottom Hole 12 (2' BEB)
North 1 Sidewall
North 3 Sidewall
East 3 Sidewall
South 2 Sidewall

Sample Cross Reference 617268



EOG-Hound-Condor

Matrix	Date Collected	Sample Depth	Lab Sample Id
S	03-11-19 00:00		617268-001
S	03-11-19 00:00		617268-002
S	03-11-19 00:00		617268-003
S	03-11-19 00:00		617268-004
S	03-11-19 00:00		617268-005
S	03-11-19 00:00		617268-006
S	03-11-19 00:00		617268-007
S	03-11-19 00:00		617268-008



.





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Client Name: Tetra Tech- Midland Project Name: EOG-Hound-Condor

Project ID: 212C-MD-01643 Work Order Number(s): 617268 Report Date: *13-MAR-19* Date Received: *03/12/2019*

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3081929 Chloride by EPA 300

Lab Sample ID 617268-001 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Chloride recovered above QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 617268-001, -002, -003, -004, -005, -006, -007, -008.

The Laboratory Control Sample for Chloride is within laboratory Control Limits, therefore the data was accepted.

Batch: LBA-3081978 BTEX by EPA 8021B

Surrogate 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis.

Samples affected are: 617268-008.

Soil samples were not received in Terracore kits and therefore were prepared by method 5030.





Tetra Tech- Midland, Midland, TX

EOG-Hound-Condor

Sample Id:Bottom Hole 9 (2')Lab Sample Id:617268-001	BEB)	Matrix: Date Collec	Soil ted: 03.11.19 00.00		Date Received:03.	12.19 10.0	0
Analytical Method: Chloride by EF	PA 300				Prep Method: E30)0P	
Tech: CHE Analyst: CHE		Date Prep:	03.12.19 15.30		% Moisture: Basis: We	t Weight	
Seq Number: 3081929		-					
Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	63.2	4.97	mg/kg	03.12.19 16.28		1

Analytical Method: TPH By SW801 Tech: ARM	5 Mod					Prep Method: TX 6 Moisture:	1005P	
Analyst: ARM		Date Pre	p: 03.12	.19 10.00	E	Basis: We	t Weight	
Seq Number: 3081984			•					
Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0		mg/kg	03.12.19 12.37	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0		mg/kg	03.12.19 12.37	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0		mg/kg	03.12.19 12.37	U	1
Total TPH	PHC635	<15.0	15.0		mg/kg	03.12.19 12.37	U	1
Surrogate		Cas Number	% Recovery 94	Units %	Limits 70-135	Analysis Date 03.12.19 12.37	Flag	

93

%

70-135

03.12.19 12.37

84-15-1

o-Terphenyl





Tetra Tech- Midland, Midland, TX

Sample Id:Bottom Hole 9 (2' BEB)Lab Sample Id:617268-001	Matrix: Soil Date Collected: 03.11.19 00.00	Date Received:03.12.19 10.00
Analytical Method:BTEX by EPA 8021BTech:SCMAnalyst:SCMSeq Number:3081978	Date Prep: 03.12.19 10.30	Prep Method: SW5030B % Moisture: Basis: Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00201	0.00201		mg/kg	03.13.19 01.04	U	1
Toluene	108-88-3	< 0.00201	0.00201		mg/kg	03.13.19 01.04	U	1
Ethylbenzene	100-41-4	< 0.00201	0.00201		mg/kg	03.13.19 01.04	U	1
m,p-Xylenes	179601-23-1	< 0.00402	0.00402		mg/kg	03.13.19 01.04	U	1
o-Xylene	95-47-6	< 0.00201	0.00201		mg/kg	03.13.19 01.04	U	1
Total Xylenes	1330-20-7	< 0.00201	0.00201		mg/kg	03.13.19 01.04	U	1
Total BTEX		< 0.00201	0.00201		mg/kg	03.13.19 01.04	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	104	%	70-130	03.13.19 01.04		
1,4-Difluorobenzene		540-36-3	109	%	70-130	03.13.19 01.04		





Tetra Tech- Midland, Midland, TX

Sample Id:	Bottom Hole 10 (2' B	EB)	Matrix:	Soil		Date Received:03.	12.19 10.0	0
Lab Sample I	d: 617268-002		Date Colle	cted: 03.11.19 00.00				
Analytical M	ethod: Chloride by EPA	300				Prep Method: E3	00P	
Tech:	CHE					% Moisture:		
Analyst:	CHE		Date Prep:	03.12.19 15.30		Basis: We	et Weight	
Seq Number:	3081929							
Parameter		Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride		16887-00-6	196	4.97	mg/kg	03.12.19 17.00		1

Analytical Method: TPH By SW801 Tech: ARM	5 Mod					Prep Method: TX 6 Moisture:	1005P	
Analyst: ARM		Date Pre	p: 03.12	19 10.00	E	Basis: We	t Weight	
Seq Number: 3081984								
Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<14.9	14.9		mg/kg	03.12.19 13.35	U	1
Diesel Range Organics (DRO)	C10C28DRO	<14.9	14.9		mg/kg	03.12.19 13.35	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<14.9	14.9		mg/kg	03.12.19 13.35	U	1
Total TPH	PHC635	<14.9	14.9		mg/kg	03.12.19 13.35	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane		111-85-3	96	%	70-135	03.12.19 13.35		
o-Terphenyl		84-15-1	97	%	70-135	03.12.19 13.35		





Tetra Tech- Midland, Midland, TX

Sample Id:Bottom Hole 10 (2' BEB)Lab Sample Id:617268-002	Matrix: Soil Date Collected: 03.11.19 00.00	Date Received:03.12.19 10.00
Analytical Method:BTEX by EPA 8021BTech:SCMAnalyst:SCMSeq Number:3081978	Date Prep: 03.12.19 10.30	Prep Method: SW5030B % Moisture: Basis: Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200		mg/kg	03.13.19 01.23	U	1
Toluene	108-88-3	< 0.00200	0.00200		mg/kg	03.13.19 01.23	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200		mg/kg	03.13.19 01.23	U	1
m,p-Xylenes	179601-23-1	< 0.00399	0.00399		mg/kg	03.13.19 01.23	U	1
o-Xylene	95-47-6	< 0.00200	0.00200		mg/kg	03.13.19 01.23	U	1
Total Xylenes	1330-20-7	< 0.00200	0.00200		mg/kg	03.13.19 01.23	U	1
Total BTEX		< 0.00200	0.00200		mg/kg	03.13.19 01.23	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	109	%	70-130	03.13.19 01.23		
1,4-Difluorobenzene		540-36-3	109	%	70-130	03.13.19 01.23		





Tetra Tech- Midland, Midland, TX

EOG-Hound-Condor

Sample Id: Lab Sample I	Bottom Hole 11 (2' B d: 617268-003	EB)	Matrix: Date Collec	Soil cted: 03.11.19 00.00		Date Received:03.	12.19 10.0	0
Analytical Me	ethod: Chloride by EPA	300				Prep Method: E30	00P	
Tech:	CHE					% Moisture:		
Analyst:	CHE		Date Prep:	03.12.19 15.30		Basis: We	t Weight	
Seq Number:	3081929							
Parameter		Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride		16887-00-6	60.7	4.98	mg/kg	03.12.19 17.11		1

5 Mod					1	1005P	
	Date Pre	p: 03.12	.19 10.00	В	Basis: We	t Weight	
Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
PHC610	<15.0	15.0		mg/kg	03.12.19 13.55	U	1
C10C28DRO	<15.0	15.0		mg/kg	03.12.19 13.55	U	1
PHCG2835	<15.0	15.0		mg/kg	03.12.19 13.55	U	1
PHC635	<15.0	15.0		mg/kg	03.12.19 13.55	U	1
		% Recovery	Units %	Limits 70-135	Analysis Date 03.12.19 13.55	Flag	
	Cas Number PHC610 C10C28DRO PHCG2835 PHC635	Cas Number Result PHC610 <15.0	Date Prep: 03.12. Cas Number Result RL PHC610 <15.0	Date Prep: 03.12.19 10.00 Cas Number Result RL PHC610 <15.0	Mathematical Cas Number Result RL Units PHC610 <15.0	Cas Number Result RL Units Analysis Date PHC610 <15.0	Cas Number Result RL Units Analysis Date Flag PHC610 <15.0

86

%

70-135

03.12.19 13.55

84-15-1

o-Terphenyl





Tetra Tech- Midland, Midland, TX

Sample Id:Bottom Hole 11 (2' BEB)Lab Sample Id:617268-003	Matrix: Soil Date Collected: 03.11.19 00.00	Date Received:03.12.19 10.00
Analytical Method: BTEX by EPA 8021B Tech: SCM Analyst: SCM	Date Prep: 03.12.19 10.30	Prep Method: SW5030B % Moisture: Basis: Wet Weight
Seq Number: 3081978	Date Prep: 03.12.19 10.30	Dasis. Wet weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00201	0.00201		mg/kg	03.13.19 01.42	U	1
Toluene	108-88-3	< 0.00201	0.00201		mg/kg	03.13.19 01.42	U	1
Ethylbenzene	100-41-4	< 0.00201	0.00201		mg/kg	03.13.19 01.42	U	1
m,p-Xylenes	179601-23-1	< 0.00402	0.00402		mg/kg	03.13.19 01.42	U	1
o-Xylene	95-47-6	< 0.00201	0.00201		mg/kg	03.13.19 01.42	U	1
Total Xylenes	1330-20-7	< 0.00201	0.00201		mg/kg	03.13.19 01.42	U	1
Total BTEX		< 0.00201	0.00201		mg/kg	03.13.19 01.42	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	121	%	70-130	03.13.19 01.42		
1,4-Difluorobenzene		540-36-3	106	%	70-130	03.13.19 01.42		





Tetra Tech- Midland, Midland, TX

Sample Id:	Bottom Hole 12 (2' B	EB)	Matrix:	Soil		Date Received:03.	12.19 10.0	0
Lab Sample I	d: 617268-004		Date Collec	cted: 03.11.19 00.00				
Analytical M	ethod: Chloride by EPA	300				Prep Method: E30)0P	
Tech:	CHE					% Moisture:		
Analyst:	CHE		Date Prep:	03.12.19 15.30		Basis: We	t Weight	
Seq Number:	3081929							
Parameter		Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride		16887-00-6	198	4.99	mg/kg	03.12.19 18.08		1

Analytical Method: TPH By SW801	5 Mod				P	Prep Method: TX	1005P	
Tech: ARM					9	6 Moisture:		
Analyst: ARM		Date Pre	p: 03.12.	19 10.00	E	Basis: We	t Weight	
Seq Number: 3081984								
Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0		mg/kg	03.12.19 14.15	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0		mg/kg	03.12.19 14.15	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0		mg/kg	03.12.19 14.15	U	1
Total TPH	PHC635	<15.0	15.0		mg/kg	03.12.19 14.15	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane		111-85-3	96	%	70-135	03.12.19 14.15		
o-Terphenyl		84-15-1	95	%	70-135	03.12.19 14.15		





Tetra Tech- Midland, Midland, TX

Sample Id:Bottom Hole 12 (2' BEB)Lab Sample Id:617268-004	Matrix: Soil Date Collected: 03.11.19 00.00	Date Received:03.12.19 10.00
Analytical Method: BTEX by EPA 8021B Tech: SCM		Prep Method: SW5030B % Moisture:
Analyst:SCMSeq Number:3081978	Date Prep: 03.12.19 10.30	Basis: Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00201	0.00201		mg/kg	03.13.19 02.01	U	1
Toluene	108-88-3	< 0.00201	0.00201		mg/kg	03.13.19 02.01	U	1
Ethylbenzene	100-41-4	< 0.00201	0.00201		mg/kg	03.13.19 02.01	U	1
m,p-Xylenes	179601-23-1	< 0.00402	0.00402		mg/kg	03.13.19 02.01	U	1
o-Xylene	95-47-6	< 0.00201	0.00201		mg/kg	03.13.19 02.01	U	1
Total Xylenes	1330-20-7	< 0.00201	0.00201		mg/kg	03.13.19 02.01	U	1
Total BTEX		< 0.00201	0.00201		mg/kg	03.13.19 02.01	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	106	%	70-130	03.13.19 02.01		
1,4-Difluorobenzene		540-36-3	110	%	70-130	03.13.19 02.01		





Tetra Tech- Midland, Midland, TX

EOG-Hound-Condor

Sample Id:	North 1 Sidewall		Matrix:	Soil		Date Received:03	12.19 10.0	0
Lab Sample I	d: 617268-005		Date Colle	cted: 03.11.19 00.00				
Analytical Me	ethod: Chloride by EPA	300				Prep Method: E3	00P	
Tech:	CHE					% Moisture:		
Analyst:	CHE		Date Prep:	03.12.19 15.30		Basis: We	et Weight	
Seq Number:	3081929							
Parameter		Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride		16887-00-6	17.0	5.04	mg/kg	03.12.19 18.18		1

Analytical Method: TPH By SW80 Tech: ARM Analyst: ARM	15 Mod	Date Pre	p: 03.12	.19 10.00	9	Prep Method: TX 6 Moisture: Basis: We	1005P t Weight	
Seq Number: 3081984								
Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<14.9	14.9		mg/kg	03.12.19 14.35	U	1
Diesel Range Organics (DRO)	C10C28DRO	<14.9	14.9		mg/kg	03.12.19 14.35	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<14.9	14.9		mg/kg	03.12.19 14.35	U	1
Total TPH	PHC635	<14.9	14.9		mg/kg	03.12.19 14.35	U	1
Surrogate 1-Chlorooctane		Cas Number 111-85-3	% Recovery 105	Units %	Limits 70-135	Analysis Date 03.12.19 14.35	Flag	

101

%

70-135

03.12.19 14.35

84-15-1

o-Terphenyl





Tetra Tech- Midland, Midland, TX

Sample Id:North 1 SidewallLab Sample Id:617268-005	Matrix: Soil Date Collected: 03.11.19 00.00	Date Received:03.12.19 10.00
Analytical Method: BTEX by EPA 8021B Tech: SCM Analyst: SCM	Date Prep: 03.12.19 10.30	Prep Method: SW5030B % Moisture: Basis: Wet Weight
Seq Number: 3081978		

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200		mg/kg	03.13.19 02.20	U	1
Toluene	108-88-3	< 0.00200	0.00200		mg/kg	03.13.19 02.20	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200		mg/kg	03.13.19 02.20	U	1
m,p-Xylenes	179601-23-1	< 0.00400	0.00400		mg/kg	03.13.19 02.20	U	1
o-Xylene	95-47-6	< 0.00200	0.00200		mg/kg	03.13.19 02.20	U	1
Total Xylenes	1330-20-7	< 0.00200	0.00200		mg/kg	03.13.19 02.20	U	1
Total BTEX		< 0.00200	0.00200		mg/kg	03.13.19 02.20	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	110	%	70-130	03.13.19 02.20		
4-Bromofluorobenzene		460-00-4	108	%	70-130	03.13.19 02.20		





Tetra Tech- Midland, Midland, TX

Sample Id: North 3 Si	dewall	Matrix:	Soil		Date Received:03.	12.19 10.0	0
Lab Sample Id: 617268-00	6	Date Collec	ted: 03.11.19 00.00				
Analytical Method: Chlori	ide by EPA 300				Prep Method: E30)0P	
Tech: CHE					% Moisture:		
Analyst: CHE		Date Prep:	03.12.19 15.30		Basis: We	t Weight	
Seq Number: 3081929							
Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	15.0	5.01	mg/kg	03.12.19 18.50		1

Analytical Method: TPH By SW801	5 Mod				Р	Prep Method: TX	1005P	
Tech: ARM					%	6 Moisture:		
Analyst: ARM		Date Pre	p: 03.12	19 10.00	В	Basis: We	et Weight	
Seq Number: 3081984								
Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0		mg/kg	03.12.19 14.54	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0		mg/kg	03.12.19 14.54	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0		mg/kg	03.12.19 14.54	U	1
Total TPH	PHC635	<15.0	15.0		mg/kg	03.12.19 14.54	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane		111-85-3	90	%	70-135	03.12.19 14.54		
o-Terphenyl		84-15-1	85	%	70-135	03.12.19 14.54		





Tetra Tech- Midland, Midland, TX

Sample Id:North 3 SidewallLab Sample Id:617268-006	Matrix: Soil Date Collected: 03.11.19 00.00	Date Received:03.12.19 10.00
Analytical Method: BTEX by EPA 8021B Tech: SCM Analyst: SCM	Date Prep: 03.12.19 10.30	Prep Method: SW5030B % Moisture: Basis: Wet Weight
Seq Number: 3081978	Date Prep: 03.12.19 10.30	Dasis. Wet weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00198	0.00198		mg/kg	03.13.19 02.39	U	1
Toluene	108-88-3	< 0.00198	0.00198		mg/kg	03.13.19 02.39	U	1
Ethylbenzene	100-41-4	< 0.00198	0.00198		mg/kg	03.13.19 02.39	U	1
m,p-Xylenes	179601-23-1	< 0.00396	0.00396		mg/kg	03.13.19 02.39	U	1
o-Xylene	95-47-6	< 0.00198	0.00198		mg/kg	03.13.19 02.39	U	1
Total Xylenes	1330-20-7	< 0.00198	0.00198		mg/kg	03.13.19 02.39	U	1
Total BTEX		< 0.00198	0.00198		mg/kg	03.13.19 02.39	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	106	%	70-130	03.13.19 02.39		
1,4-Difluorobenzene		540-36-3	110	%	70-130	03.13.19 02.39		





Tetra Tech- Midland, Midland, TX

EOG-Hound-Condor

Sample Id:	East 3 Sidewall		Matrix:	Soil		Date Received:03.	12.19 10.0	0
Lab Sample I	d: 617268-007		Date Colle	cted: 03.11.19 00.00				
Analytical Me	ethod: Chloride by EPA	300				Prep Method: E3	90P	
Tech:	CHE					% Moisture:		
Analyst:	CHE		Date Prep:	03.12.19 15.30		Basis: We	t Weight	
Seq Number:	3081929							
Parameter		Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride		16887-00-6	26.4	5.00	mg/kg	03.12.19 19.01		1

Analytical Method: TPH By SW801 Tech: ARM	5 Mod					rep Method: TX 6 Moisture:	1005P	
Analyst: ARM		Date Pre	p: 03.12	.19 10.00	E	asis: We	t Weight	
Seq Number: 3081984								
Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0		mg/kg	03.12.19 15.14	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0		mg/kg	03.12.19 15.14	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0		mg/kg	03.12.19 15.14	U	1
Total TPH	PHC635	<15.0	15.0		mg/kg	03.12.19 15.14	U	1
Surrogate		Cas Number 11-85-3	% Recovery 93	Units %	Limits 70-135	Analysis Date 03.12.19 15.14	Flag	

91

%

70-135

03.12.19 15.14

84-15-1

o-Terphenyl





Tetra Tech- Midland, Midland, TX

Sample Id:East 3 SidewallLab Sample Id:617268-007	Matrix: Soil Date Collected: 03.11.19 00.00	Date Received:03.12.19 10.00
Analytical Method:BTEX by EPA 8021BTech:SCMAnalyst:SCMSeq Number:3081978	Date Prep: 03.12.19 10.30	Prep Method: SW5030B % Moisture: Basis: Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00202	0.00202		mg/kg	03.13.19 02.58	U	1
Toluene	108-88-3	< 0.00202	0.00202		mg/kg	03.13.19 02.58	U	1
Ethylbenzene	100-41-4	< 0.00202	0.00202		mg/kg	03.13.19 02.58	U	1
m,p-Xylenes	179601-23-1	< 0.00403	0.00403		mg/kg	03.13.19 02.58	U	1
o-Xylene	95-47-6	< 0.00202	0.00202		mg/kg	03.13.19 02.58	U	1
Total Xylenes	1330-20-7	< 0.00202	0.00202		mg/kg	03.13.19 02.58	U	1
Total BTEX		< 0.00202	0.00202		mg/kg	03.13.19 02.58	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	111	%	70-130	03.13.19 02.58		
4-Bromofluorobenzene		460-00-4	106	%	70-130	03.13.19 02.58		





Tetra Tech- Midland, Midland, TX

Sample Id:	South 2 Sidewall		Matrix:	Soil		Date Received:03.	12.19 10.0	0
Lab Sample I	d: 617268-008		Date Colle	cted: 03.11.19 00.00				
Analytical Me	ethod: Chloride by EPA	300				Prep Method: E3	00P	
Tech:	CHE					% Moisture:		
Analyst:	CHE		Date Prep:	03.12.19 15.30		Basis: We	et Weight	
Seq Number:	3081929							
Parameter		Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride		16887-00-6	17.1	5.00	mg/kg	03.12.19 19.12		1

Analytical Method: TPH By SW801 Tech: ARM	5 Mod					Prep Method: TX	1005P	
Analyst: ARM		Date Pre	p: 03.12.	19 10.00	,		t Weight	
Seq Number: 3081984								
Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0		mg/kg	03.12.19 15.34	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0		mg/kg	03.12.19 15.34	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0		mg/kg	03.12.19 15.34	U	1
Total TPH	PHC635	<15.0	15.0		mg/kg	03.12.19 15.34	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane		111-85-3	91	%	70-135	03.12.19 15.34		
o-Terphenyl	:	84-15-1	85	%	70-135	03.12.19 15.34		





Tetra Tech- Midland, Midland, TX

Sample Id:South 2 SidewallLab Sample Id:617268-008	Matrix: Soil Date Collected: 03.11.19 00.00	Date Received:03.12.19 10.00
Analytical Method: BTEX by EPA 8021B Tech: SCM		Prep Method: SW5030B % Moisture:
Analyst:SCMSeq Number:3081978	Date Prep: 03.12.19 10.30	Basis: Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00199	0.00199		mg/kg	03.13.19 03.17	U	1
Toluene	108-88-3	< 0.00199	0.00199		mg/kg	03.13.19 03.17	U	1
Ethylbenzene	100-41-4	< 0.00199	0.00199		mg/kg	03.13.19 03.17	U	1
m,p-Xylenes	179601-23-1	< 0.00398	0.00398		mg/kg	03.13.19 03.17	U	1
o-Xylene	95-47-6	< 0.00199	0.00199		mg/kg	03.13.19 03.17	U	1
Total Xylenes	1330-20-7	< 0.00199	0.00199		mg/kg	03.13.19 03.17	U	1
Total BTEX		< 0.00199	0.00199		mg/kg	03.13.19 03.17	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	138	%	70-130	03.13.19 03.17	**	
1,4-Difluorobenzene		540-36-3	104	%	70-130	03.13.19 03.17		



Flagging Criteria



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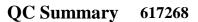
- X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- **B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- **D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- **E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F RPD exceeded lab control limits.
- J The target analyte was positively identified below the quantitation limit and above the detection limit.
- U Analyte was not detected.
- L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- **H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- **K** Sample analyzed outside of recommended hold time.
- **JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.
- ** Surrogate recovered outside laboratory control limit.
- **BRL** Below Reporting Limit.
- RL Reporting Limit
- MDL Method Detection LimitSDLSample Detection LimitLOD Limit of Detection
- PQL Practical Quantitation Limit MQL Method Quantitation Limit LOQ Limit of Quantitation
- DL Method Detection Limit
- NC Non-Calculable

SMP Clie	ent Sample	BLK	Method Blank	
BKS/LCS	S Blank Spike/Laboratory Control Sample	BKSD/LCSD	Blank Spike Duplicate/Labo	ratory Control Sample Duplicate
MD/SD	Method Duplicate/Sample Duplicate	MS	Matrix Spike	MSD: Matrix Spike Duplicate

- + NELAC certification not offered for this compound.
- * (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation



BORATORIES



Tetra Tech- Midland EOG-Hound-Condor

Analytical Method: Seq Number: MB Sample Id: Parameter Chloride	Chloride by EPA 300 3081929 7673452-1-BLK MB Spike MB Amount 1.12 250	Matrix: LCS Sample Id: LCS LCS Result %Rec 254 102	Solid 7673452-1-BKS LCSD LCSD Limits Result %Rec 260 104 90-110	Date	lag
Analytical Method: Seq Number: Parent Sample Id: Parameter Chloride	Chloride by EPA 300 3081929 617103-003 Parent Spike Result Amount 34.1 250	Matrix: MS Sample Id: MS MS Result %Rec 271 95		Date	lag
	Chloride by EPA 300 3081929 617268-001 Parent Spike Result Amount 63.2 249	Matrix: MS Sample Id: MS MS Result %Rec 348 114	Soil	Prep Method: E300P Date Prep: 03.12.19 MSD Sample Id: 617268-001 SD %RPD RPD Limit Units Analysis F Date F	T lag X
	TPH By SW8015 Mod 3081984 7673482-1-BLK	Matrix:		Prep Method: TX1005P Date Prep: 03.12.19 LCSD Sample Id: 7673482-1-BSD	

	2211			1					1			
Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPE	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<8.00	1000	1010	101	1010	101	70-135	0	20	mg/kg	03.12.19 11:57	
Diesel Range Organics (DRO)	<8.13	1000	1020	102	1040	104	70-135	2	20	mg/kg	03.12.19 11:57	
Surrogate	MB %Rec	MB Flag			LCS Flag	LCSE %Rec			Limits	Units	Analysis Date	
1-Chlorooctane	93		1	19		121		7	0-135	%	03.12.19 11:57	
o-Terphenyl	95		1	07		113		7	0-135	%	03.12.19 11:57	

MS/MSD Percent Recovery Relative Percent Difference LCS/LCSD Recovery Log Difference

[D] = 100*(C-A) / B $\begin{aligned} \text{RPD} &= 200^* \mid (\text{C-E}) / (\text{C+E}) \mid \\ \text{[D]} &= 100^* (\text{C}) / \text{[B]} \end{aligned}$ Log Diff. = Log(Sample Duplicate) - Log(Original Sample) LCS = Laboratory Control SampleA = Parent Result C = MS/LCS Result E = MSD/LCSD Result

MS = Matrix Spike B = Spike Added D = MSD/LCSD % Rec

.

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Tetra Tech- Midland EOG-Hound-Condor

Analytical Method:	·	W8015 M	lod						I	Prep Method		005P	
Seq Number:	3081984				Matrix:	Soil				Date Prep	p: 03.1	2.19	
Parent Sample Id:	617268-00	1		MS San	nple Id:	617268-00	01 S		MS	SD Sample l	ld: 6172	268-001 SD	
Parameter		Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbo	ons (GRO)	<8.00	1000	1020	102	1020	102	70-135	0	20	mg/kg	03.12.19 12:56	
Diesel Range Organics (DRO)	<8.13	1000	1030	103	1040	104	70-135	1	20	mg/kg	03.12.19 12:56	
Surrogate					AS Rec	MS Flag	MSD %Ree			Limits	Units	Analysis Date	
1-Chlorooctane				1	13		115		7	0-135	%	03.12.19 12:56	
o-Terphenyl				ç	98		99		7	0-135	%	03.12.19 12:56	

Analytical Method: Seq Number: MB Sample Id:	BTEX by EPA 802 3081978 7673444-1-BLK	lB	LCS San	Matrix: nple Id:	Solid 7673444-	1-BKS			Prep Metho Date Pre SD Sample	p: 03.1	5030B 2.19 3444-1-BSD	
Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPI	D RPD Limit	Units	Analysis Date	Flag
Benzene	< 0.000385	0.100	0.107	107	0.108	108	70-130	1	35	mg/kg	03.12.19 23:12	
Toluene	< 0.000456	0.100	0.0967	97	0.0979	98	70-130	1	35	mg/kg	03.12.19 23:12	
Ethylbenzene	< 0.000565	0.100	0.0938	94	0.0951	95	70-130	1	35	mg/kg	03.12.19 23:12	
m,p-Xylenes	< 0.00101	0.200	0.189	95	0.192	96	70-130	2	35	mg/kg	03.12.19 23:12	
o-Xylene	< 0.000344	0.100	0.0926	93	0.0940	94	70-130	2	35	mg/kg	03.12.19 23:12	
Surrogate	MB %Rec	MB Flag		CS Rec	LCS Flag	LCSD %Rec			Limits	Units	Analysis Date	
1,4-Difluorobenzene	109		1	03		102			70-130	%	03.12.19 23:12	
4-Bromofluorobenzene	101		9	95		95			70-130	%	03.12.19 23:12	

Analytical Method: Seq Number: Parent Sample Id:	BTEX by EPA 802 3081978 617268-001	1B	MS San	Matrix: nple Id:		01 S			Prep Methoo Date Prej ISD Sample	p: 03.1		
Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RP	D RPD Limit	Units	Analysis Date	Flag
Benzene	< 0.000386	0.100	0.102	102	0.0993	100	70-130	3	35	mg/kg	03.12.19 23:50	
Toluene	< 0.000457	0.100	0.0925	93	0.0892	90	70-130	4	35	mg/kg	03.12.19 23:50	
Ethylbenzene	< 0.000566	0.100	0.0891	89	0.0858	86	70-130	4	35	mg/kg	03.12.19 23:50	
m,p-Xylenes	< 0.00102	0.200	0.180	90	0.173	87	70-130	4	35	mg/kg	03.12.19 23:50	
o-Xylene	< 0.000345	0.100	0.0884	88	0.0848	85	70-130	4	35	mg/kg	03.12.19 23:50	
Surrogate				1S Rec	MS Flag	MSD %Ree			Limits	Units	Analysis Date	
1,4-Difluorobenzene			1	04		105			70-130	%	03.12.19 23:50	
4-Bromofluorobenzene			ç	99		98			70-130	%	03.12.19 23:50	

MS/MSD Percent Recovery Relative Percent Difference LCS/LCSD Recovery Log Difference [D] = 100*(C-A) / B RPD = 200* | (C-E) / (C+E) | [D] = 100 * (C) / [B] Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample A = Parent Result C = MS/LCS Result E = MSD/LCSD Result MS = Matrix Spike B = Spike Added D = MSD/LCSD % Rec

.

Received by OCD: 6/8/2023 9:08:08 AM

		Relinquished by:		Relinquished by:	Relinquished by		South	East 3	North	North	Bottor	Bottor	Bottor	Bottor	(LAB USE)	LAB #			Comments:	Receiving Laboratory	(county, state)	Project posting	Project Name.	Client Name:	Analysis Reques
		Date: Time:		î'	Date: Time:		South 2 Sidewall	East 3 Sidewall	North 3 Sidewall	North 1 Sidewall	Bottom Hole 12 (2' BEB)	Bottom Hole 11 (2' BEB)	Bottom Hole 10 (2' BEB)	Bottom Hole 9 (2' BEB)	•	SAMPLE IDENTIFICATION			Xenco Midland, TX	EOG: James Kennedy	Lea County, NM	Hound-Condor	EOG	Tetra Tech, Inc.	Analysis Request of Chain of Custody Record
ORIGINAL COPY		Received by:	Received by:	MM	Hereiven hv: //		3/11/2019	3/11/2019	3/11/2019	3/11/2019	3/11/2019	3/11/2019	3/11/2019	3/11/2019	DATE	YEAR: 2018	SAMPLING		Sampler Signature:		Project #:		Site Manager:		
		Date:	f Date:	41171G			×	×	×	×	×	×	×	×	WATER SOIL HCL		MATRIX		Stephen Reyes		212C-M		Clair Gonzales	4000 N. Big s 401 Midlar Tel (43: Fax (43	
		: Time:	a: Time: 🗸	1 Innc			×	×	×	×	×	×	×	×	HNO ₃ ICE None		PRESERVATIVE METHOD		ı Reyes		212C-MD-01643		ales	4000 N. Big Spring Street, Ste 401 Midland, Texas 79705 Tel (432) 682-4559 Fax (432) 682-3946	
)			1 Z	z Z	1 Z	Z	1 Z	_1 Z	Z	<u></u> ≓	# CONTA										6
(Circle) (HAND DELIVERED FEDEX UPS	۱. ۱	C	Sample Temperature	_ C	-		×	×	×	×	×	×	×		BTEX 802 TPH TX10			X 8260B C35)							
HAND	j.o	10	Tempe	LAB USE			×	×	×	×	×	×	×		TPH 8015 PAH 8270		GRO -	DRO - 0	RO - N	IRO)					$\overline{}$
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1 1	Repor	Rush Charges Authorized	RUSH: Same Day	STANDARD			+		\pm						GC/MS Se PCB's 808			100/625				Specify Method	ANALYSIS REQUEST		
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	Special Report Limits or TRRP Report			/											Chloride General W	Sul ater		TDS istry (see	e attac	hed list)	- No.)			
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Final 1.000

Received by OCD: 6/8/2023 9:08:08 AM



#14 Sample container(s) intact?

#17 Subcontract of sample(s)?

XENCO Laboratories



Prelogin/Nonconformance Report- Sample Log-In

Client: Tetra Tech- Midland Acceptable Temperature Range: 0 - 6 degC Air and Metal samples Acceptable Range: Ambient Date/ Time Received: 03/12/2019 10:00:00 AM Temperature Measuring device used : R8 Work Order #: 617268 Comments Sample Receipt Checklist #1 *Temperature of cooler(s)? .1 #2 *Shipping container in good condition? Yes #3 *Samples received on ice? Yes #4 *Custody Seals intact on shipping container/ cooler? N/A #5 Custody Seals intact on sample bottles? N/A #6*Custody Seals Signed and dated? N/A #7 *Chain of Custody present? Yes #8 Any missing/extra samples? No #9 Chain of Custody signed when relinquished/ received? Yes #10 Chain of Custody agrees with sample labels/matrix? Yes #11 Container label(s) legible and intact? Yes #12 Samples in proper container/ bottle? Yes #13 Samples properly preserved? Yes

* Must be completed for after-hours delivery of samples prior to placing in the refrigerator

Analyst:

PH Device/Lot#:

#15 Sufficient sample amount for indicated test(s)?

#18 Water VOC samples have zero headspace?

#16 All samples received within hold time?

Checklist completed by: Brianna Teel

Date: 03/12/2019

Yes

Yes

Yes

N/A

N/A

Checklist reviewed by:

Jession Vermer

Jessica Kramer

Date: 03/12/2019



March 19, 2019

CLAIR GONZALES TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND, TX 79701

RE: HOUND CONDOR TIE IN

Enclosed are the results of analyses for samples received by the laboratory on 03/18/19 12:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at 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.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



TETRA TECH CLAIR GONZALES 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	03/18/2019	Sampling Date:	03/18/2019
Reported:	03/19/2019	Sampling Type:	Soil
Project Name:	HOUND CONDOR TIE IN	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01643	Sample Received By:	Tamara Oldaker
Project Location:	EOG-LEA CO. NM		

Sample ID: BOTTOM HOLE #13 (2' BEB) (H901028-01)

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	03/19/2019	ND	2.08	104	2.00	0.400	
Toluene*	<0.050	0.050	03/19/2019	ND	1.92	95.9	2.00	1.25	
Ethylbenzene*	<0.050	0.050	03/19/2019	ND	1.97	98.4	2.00	1.39	
Total Xylenes*	<0.150	0.150	03/19/2019	ND	5.99	99.8	6.00	0.300	
Total BTEX	<0.300	0.300	03/19/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.2	% 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	48.0	16.0	03/19/2019	ND	432	108	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	03/18/2019	ND	207	103	200	4.90	
DRO >C10-C28*	<10.0	10.0	03/18/2019	ND	204	102	200	7.04	
EXT DRO >C28-C36	<10.0	10.0	03/18/2019	ND					
Surrogate: 1-Chlorooctane	105	% 41-142	,						
Surrogate: 1-Chlorooctadecane	105	% 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH CLAIR GONZALES 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	03/18/2019	Sampling Date:	03/18/2019
Reported:	03/19/2019	Sampling Type:	Soil
Project Name:	HOUND CONDOR TIE IN	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01643	Sample Received By:	Tamara Oldaker
Project Location:	EOG-LEA CO. NM		

Sample ID: BOTTOM HOLE #14 (2' BEB) (H901028-02)

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	03/19/2019	ND	2.08	104	2.00	0.400	
Toluene*	<0.050	0.050	03/19/2019	ND	1.92	95.9	2.00	1.25	
Ethylbenzene*	<0.050	0.050	03/19/2019	ND	1.97	98.4	2.00	1.39	
Total Xylenes*	<0.150	0.150	03/19/2019	ND	5.99	99.8	6.00	0.300	
Total BTEX	<0.300	0.300	03/19/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.4	% 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	80.0	16.0	03/19/2019	ND	432	108	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	03/18/2019	ND	207	103	200	4.90	
DRO >C10-C28*	<10.0	10.0	03/18/2019	ND	204	102	200	7.04	
EXT DRO >C28-C36	<10.0	10.0	03/18/2019	ND					
Surrogate: 1-Chlorooctane	91.7	% 41-142	,						
Surrogate: 1-Chlorooctadecane	92.0	% 37.6-14	7						

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*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH CLAIR GONZALES 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	03/18/2019	Sampling Date:	03/18/2019
Reported:	03/19/2019	Sampling Type:	Soil
Project Name:	HOUND CONDOR TIE IN	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01643	Sample Received By:	Tamara Oldaker
Project Location:	EOG-LEA CO. NM		

Sample ID: BOTTOM HOLE #15 (2' BEB) (H901028-03)

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	03/19/2019	ND	2.08	104	2.00	0.400	
Toluene*	<0.050	0.050	03/19/2019	ND	1.92	95.9	2.00	1.25	
Ethylbenzene*	<0.050	0.050	03/19/2019	ND	1.97	98.4	2.00	1.39	
Total Xylenes*	<0.150	0.150	03/19/2019	ND	5.99	99.8	6.00	0.300	
Total BTEX	<0.300	0.300	03/19/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.3	% 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	144	16.0	03/19/2019	ND	432	108	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	03/18/2019	ND	207	103	200	4.90	
DRO >C10-C28*	<10.0	10.0	03/18/2019	ND	204	102	200	7.04	
EXT DRO >C28-C36	<10.0	10.0	03/18/2019	ND					
Surrogate: 1-Chlorooctane	102	% 41-142							
Surrogate: 1-Chlorooctadecane	102	% 37.6-14	7						

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*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH CLAIR GONZALES 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	03/18/2019	Sampling Date:	03/18/2019
Reported:	03/19/2019	Sampling Type:	Soil
Project Name:	HOUND CONDOR TIE IN	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01643	Sample Received By:	Tamara Oldaker
Project Location:	EOG-LEA CO. NM		

Sample ID: BOTTOM HOLE #16 (2' BEB) (H901028-04)

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	03/19/2019	ND	2.08	104	2.00	0.400	
Toluene*	<0.050	0.050	03/19/2019	ND	1.92	95.9	2.00	1.25	
Ethylbenzene*	<0.050	0.050	03/19/2019	ND	1.97	98.4	2.00	1.39	
Total Xylenes*	<0.150	0.150	03/19/2019	ND	5.99	99.8	6.00	0.300	
Total BTEX	<0.300	0.300	03/19/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.0	% 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	03/19/2019	ND	432	108	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	03/18/2019	ND	207	103	200	4.90	
DRO >C10-C28*	<10.0	10.0	03/18/2019	ND	204	102	200	7.04	
EXT DRO >C28-C36	<10.0	10.0	03/18/2019	ND					
Surrogate: 1-Chlorooctane	98.8	% 41-142	,						
Surrogate: 1-Chlorooctadecane	100	% 37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager



TETRA TECH CLAIR GONZALES 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	03/18/2019	Sampling Date:	03/18/2019
Reported:	03/19/2019	Sampling Type:	Soil
Project Name:	HOUND CONDOR TIE IN	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01643	Sample Received By:	Tamara Oldaker
Project Location:	EOG-LEA CO. NM		

Sample ID: WEST 3 SIDEWALL (H901028-05)

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	03/19/2019	ND	2.08	104	2.00	0.400	
Toluene*	<0.050	0.050	03/19/2019	ND	1.92	95.9	2.00	1.25	
Ethylbenzene*	<0.050	0.050	03/19/2019	ND	1.97	98.4	2.00	1.39	
Total Xylenes*	<0.150	0.150	03/19/2019	ND	5.99	99.8	6.00	0.300	
Total BTEX	<0.300	0.300	03/19/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.9	% 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	96.0	16.0	03/19/2019	ND	432	108	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	03/18/2019	ND	207	103	200	4.90	
DRO >C10-C28*	<10.0	10.0	03/18/2019	ND	204	102	200	7.04	
EXT DRO >C28-C36	<10.0	10.0	03/18/2019	ND					
Surrogate: 1-Chlorooctane	100 9	% 41-142	,						
Surrogate: 1-Chlorooctadecane	96.8	% 37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by 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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Celey D. Keene, Lab Director/Quality Manager

Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Texra Tuh		BILL TO	(a) A set of the se	A۱	ANALYSIS REQUEST	
F		P.O. #:				
Win		Company: EUC-				
State: 1X	Zip: 79701	Attn: Junes Kennedy	ie dy			-
Phone #: 436-260-8634 Fax #:		Address: 5509 (hump	Champins Or.			
Project #: 212C-MO-11643 Project Owner:	EUG	é	B			
Project Name: Hourd / Cunder Tic-In		State: TX Zip: 79706	1			
Project Location: Len (s., NM		Phone #: 472 - 1080- 366 7	2	,		
Sampler Name: Stuphan Runco		Fax #:	80	Je		
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING		iri		
	ERS ATER		EX	Chio		
Lab I.D. Sample I.D.	G)RAB OR CONTAINE ROUNDW/ VASTEWAT GOIL DIL GLUDGE	DTHER : CID/BASE: CE / COOL DTHER : DAT	BT			
1 Bottom Hole 13 (2'1868)	1 X	× 3	イ メ	×		
	X	X 3-18-14	XX	×		
Wattom Hole 15 (2)	· /	41-81-5 X	x	~		
4 Button Itale (2'BEB)		× 3-18-12	XX	+		
S Mess 3 Silemmi	X	× 3-18-12	××	×		
PLEASE NOTE: Liability and Damages, Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the	v claim arising whether based in contract	or tort, shall be limited to the amount paid by	the client for 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 consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	leemed waived unless made in writing and without limitation, business interruptions, k ardinal, regardless of whether such claim is	received by Cardinal within 30 days after co oss of use, or loss of profits incurred by clien based upon any of the above stated reason	fter completion of the applicable y client, its subsidiaries, reasons or otherwise.			
Relinquished By: Date:	Received By:	_	Phone Result: Ves Fax Result: Yes	No	Add'l Phone #: Add'l Fax #:	
Palinguishad By:	Janaka &	Destall R		Ē		
		(RUSH			
Delivered By: (Circle One)	Sample Condition Cool Intact	on CHECKED BY: (Initials)				
Sampler - UPS - Bus - Other: 3.6	then Tres Tres	4				

Received by OCD: 6/8/2023 9:08:08 AM

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Appendix D

Released to Imaging: 6/29/2023 11:09:52 AM

Lea County, New Mexico

JA—Jal association

Map Unit Setting

National map unit symbol: dmpt Elevation: 3,000 to 4,000 feet Mean annual precipitation: 10 to 16 inches Mean annual air temperature: 58 to 62 degrees F Frost-free period: 190 to 205 days Farmland classification: Farmland of statewide importance

Map Unit Composition

Jal and similar soils: 55 percent Drake and similar soils: 30 percent Minor components: 15 percent Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Jal

Setting

Landform: Playa rims Landform position (two-dimensional): Shoulder Landform position (three-dimensional): Dip Down-slope shape: Convex Across-slope shape: Concave Parent material: Calcareous alluvium and/or calcareous lacustrine deposits derived from sedimentary rock

Typical profile

A - 0 to 12 inches: sandy loam Bk - 12 to 60 inches: loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 50 percent
Gypsum, maximum in profile: 1 percent
Salinity, maximum in profile: Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum in profile: 2.0
Available water storage in profile: Moderate (about 7.2 inches)

Interpretive groups

Land capability classification (irrigated): 4e Land capability classification (nonirrigated): 7c Hydrologic Soil Group: B Ecological site: Limy (R042XC030NM) Hydric soil rating: No

Description of Drake

Setting

Landform: Playa dunes Landform position (two-dimensional): Backslope, footslope Landform position (three-dimensional): Side slope Down-slope shape: Linear, concave Across-slope shape: Linear Parent material: Calcareous eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 9 inches: loamy fine sand AC - 9 to 30 inches: fine sandy loam C - 30 to 60 inches: sandy clay loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 50 percent
Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum in profile: 2.0
Available water storage in profile: Moderate (about 6.1 inches)

Interpretive groups

Land capability classification (irrigated): 4e Land capability classification (nonirrigated): 7c Hydrologic Soil Group: A Ecological site: Sandy (R042XC004NM) Hydric soil rating: No

Minor Components

Wink

Percent of map unit: 5 percent Ecological site: Loamy Sand (R042XC003NM) Hydric soil rating: No

Simona

Percent of map unit: 5 percent Ecological site: Shallow Sandy (R042XC002NM) Hydric soil rating: No

Midessa

Percent of map unit: 5 percent Ecological site: Loamy (R042XC007NM) Hydric soil rating: No

Data Source Information

Soil Survey Area: Lea County, New Mexico Survey Area Data: Version 15, Sep 12, 2018



BLM SERIAL #:

COMPANY REFERENCE:

3.1 Seed Mixture 1, for Loamy Sites

The holder shall seed all disturbed areas with the seed mixture listed below. The seed mixture shall be planted in the amounts specified in pounds of pure live seed (PLS)* per acre. There shall be no primary or secondary noxious weeds in the seed mixture. Seed will be tested and the viability testing of seed will be done in accordance with State law(s) and within nine (9) months prior to purchase. Commercial seed will be either certified or registered seed. The seed container will be tagged in accordance with State law(s) and available for inspection by the authorized officer.

Seed will be planted using a drill equipped with a depth regulator to ensure proper depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture will be evenly and uniformly planted over the disturbed area (small/heavier seeds have a tendency to drop the bottom of the drill and are planted first). The holder shall take appropriate measures to ensure this does not occur. Where drilling is not possible, seed will be broadcast and the area shall be raked or chained to cover the seed. When broadcasting the seed, the pounds per acre are to be doubled. The seeding will be repeated until a satisfactory stand is established as determined by the authorized officer. Evaluation of growth will not be made before completion of at least one full growing season after seeding.

Species to be planted in pounds of pure live seed* per acre:

<u>Species</u>	lb/acre
Plains lovegrass (Eragrostis intermedia)	0.5
Sand dropseed (Sporobolus cryptandrus)	1.0
Sideoats grama (Bouteloua curtipendula)	5.0
Plains bristlegrass (Setaria macrostachya)	2.0

*Pounds of pure live seed:

Pounds of seed x percent purity x percent germination = pounds pure live seed

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

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

District III

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

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

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

CONDITIONS

Operator:	OGRID:
EOG RESOURCES INC	7377
P.O. Box 2267	Action Number:
Midland, TX 79702	225393
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By		Condition Date
bhall	Closure approved. Site will need to meet all the requirements of 19.15.29.13 NMAC.	6/29/2023

Action 225393