Report Type: Closure Report 2RP-5501									
General Site Info	rmation:			•					
Site:		Wyatt BHT Sta	ate #1						
Company:		EOG Resource							
Section, Townsh	nip and Range	Unit C	Sec. 06	T 25S	R 30E				
County:		Eddy County							
GPS:			32.16535			-103.	.92085		
Surface Owner:		State							
Directions:		From the intersection of Longhorn Rd and Pipeline Rd No 1, travel northeast on Pipeline Rd No. 1 for approx. 7.0 miles, turn north onto lease road and continue for 2.18 mi., turn north onto lease road and continue for 1.2 miles to location.							
Release Data: Date Released:		6/15/2019							
Type Release:		Produced Water & Oil							
Source of Contan	nination:	Flowline							
Fluid Released:		4 bbls water & 4 bbl oil							
Fluids Recovered	! :	0 bbls) bbls						
Official Commun	nication:								
Name:	James Kennedy								
Company:	EOG Resources				Tetra Tech				
Address:	5509 Champions D	r	901 W. Wall St.						
					Ste 100				
City:	Midland Texas, 797	706			Midland, Te	exas			
Phone number:	(432) 258-4346				(432) 682-4				
Fax:	, , , , , , , , , , , , , , , , , , , ,				,	-			
Email:	James Kennedy	@eogresources.	com		Clair.Gonz	zales@tetra	tech.com		

Site Characterization	
Depth to Groundwater:	260'
Karst Potential:	Low
Surface Water:	160' from draw

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		



October 1, 2020

Mr. Mike Bratcher
District Supervisor
Oil Conservation Division, District 2
811 S. First Street
Artesia, New Mexico 88210

Re: Closure Report for the EOG Resources, Wyatt BHT State #1, Unit C, Section 06, Township 25 South, Range 30 East, Eddy County, New Mexico. 2RP-5501

Mr. Bratcher:

Tetra Tech, Inc. (Tetra Tech) was contacted by EOG Resources (EOG) to assess a release that occurred at the Wyatt BHT State #1, Unit C, Section 06, Township 25 South, Range 30 East, Eddy County, New Mexico (Site). The spill site coordinates are 32.165351°, -103.920848°. 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 June 15, 2019 and released approximately 4 barrels of produced water and 4 barrels of oil due to a hole in the flowline. The release occurred west of the well pad along the lease road and impacted areas measuring approximately 5' x 366' and 50' x 77'. The C-141 form is included in Appendix A.

Site Characterization

A site characterization was performed for the site and no lakebeds, sinkholes, playa lakes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the specified distances. The site is in a low karst potential area. However, the site is located approximately 160 feet from a draw. The nearest well is listed on the USGS National Water Information data base in Section 07, approximately 1.10 miles south of the site and has a reported depth to groundwater of 264' below 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, 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.

Soil Assessment

Tetra Tech personnel were onsite on June 28, 2019 to investigate and sample the release area. A total of give (5) auger holes (AH-1 through AH-5) were installed to total depths ranging from 2'-2.5' to 5'-5.5' below surface. Selected 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 laboratory reports and chain-of-custody forms are included in Appendix C. The release area and sample locations are shown in Figure 3.

Referring to Table 1, the areas of AH-1 and AH-3 did not show any benzene, total BTEX, TPH, or chloride concentrations above the RRALs.

The area of AH-2 showed a total BTEX concentration of 56.3 mg/kg at 0-1' that declined with depth, as well as TPH concentrations above 100 mg/kg and chloride concentrations above 600 mg/kg that were not vertically defined. The area of AH-5 showed TPH concentrations above 100 mg/kg from surface to 1'-1.5', which declined with depth to 59.9 mg/kg at 2'-2.5' below surface. The area of AH-3 showed a chloride high of 3,740 mg/kg at 0-1', which declined with depth to 40.6 mg/kg at 1'-1.5' below surface.

Remediation Activities

Based on the laboratory data, Tetra Tech personnel returned to the site between October 3rd and October 8th, 2019 to supervise the remediation activities at the site. The area of AH-2 was excavated to 7.0', the area of AH-3 to 1.5', and the area of AH-5 to 2.0' below surface. All excavated material was hauled for proper disposal. The site was then backfilled with clean material to surface grade.

Composite bottom hole and sidewall samples were collected every 200 square feet to ensure proper removal of the impacted soils. A total of 12 bottom hole samples were collected (Bottom Hole #1 through Bottom Hole #12) and 18 sidewall samples were collected (North Sidewall 1 through North Sidewall 5, East Sidewall 1 through East Sidewall 4, South Sidewall 1 through South Sidewall 5, and West Sidewall 1 through West Sidewall 4). All collected confirmation 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 2. The excavation areas and sample locations are shown in Figure 4.



Referring to Table 2, all confirmation samples showed benzene, total BTEX, TPH, and chloride concentrations below the RRALs.

Conclusion

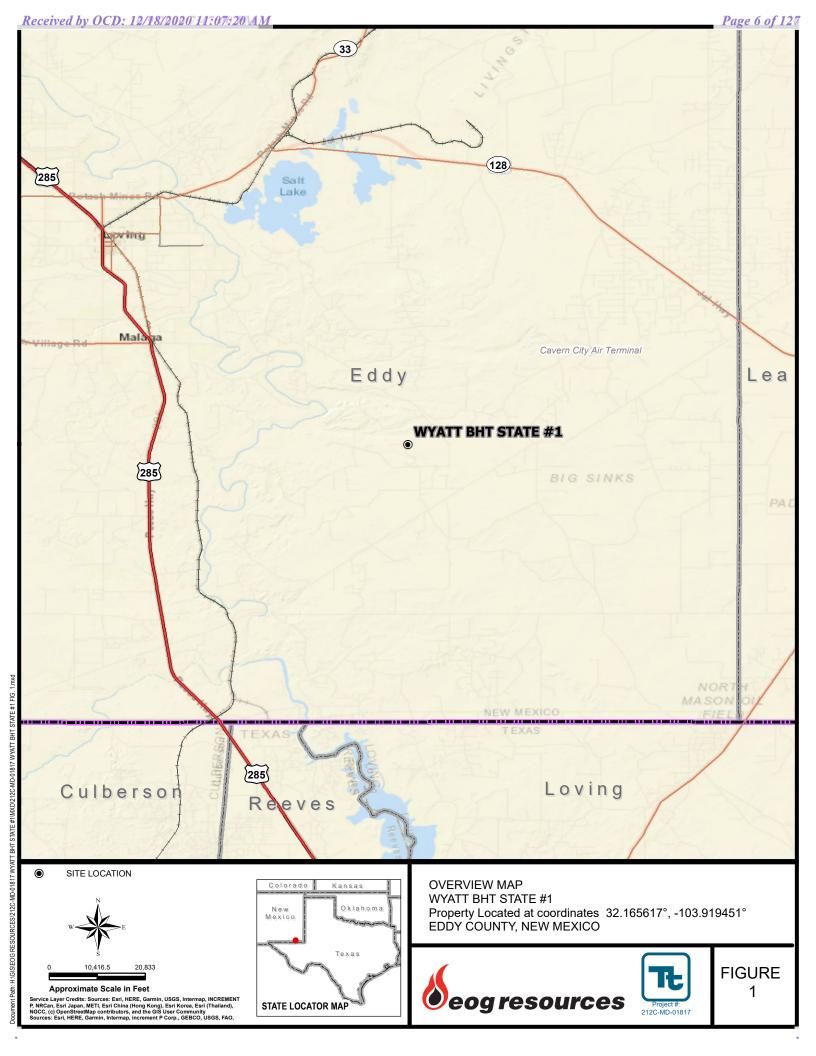
Based on the laboratory results and remediation activities performed at the site, EOG requests closure of this spill issue. The final C-141 is enclosed in Appendix A. If you have any questions or comments concerning the assessment for this site, please call at (432) 682-4559.

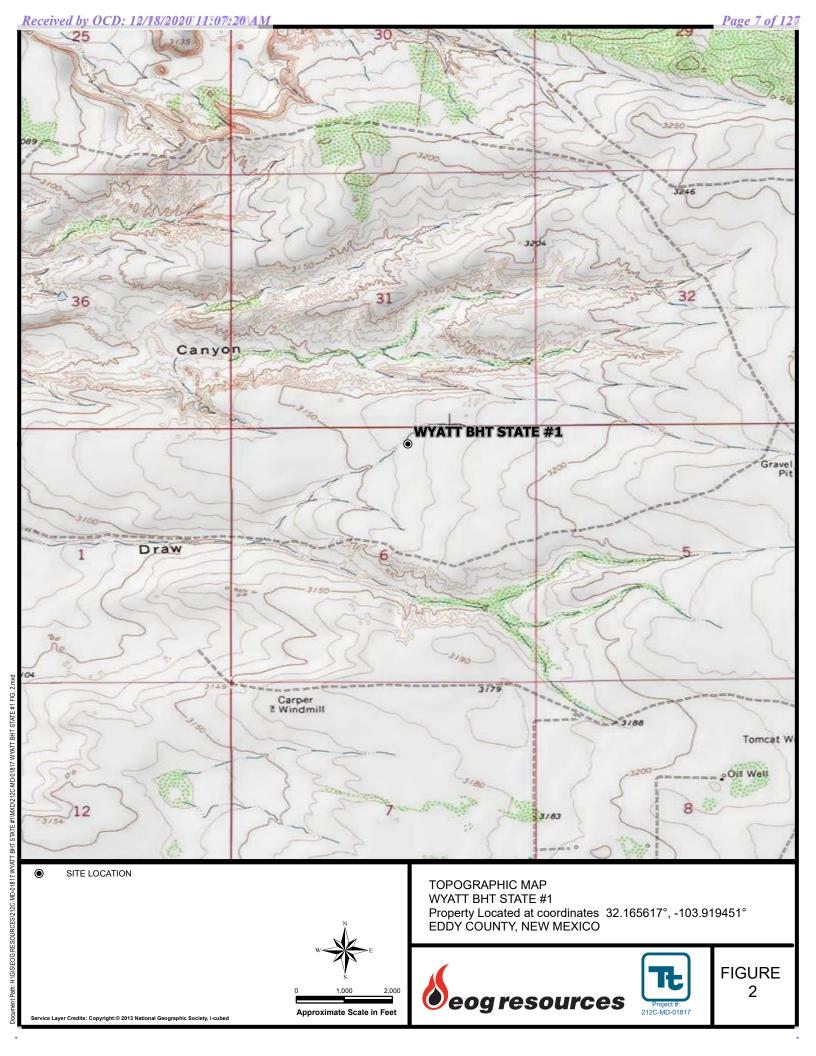
Respectfully submitted, TETRA TECH

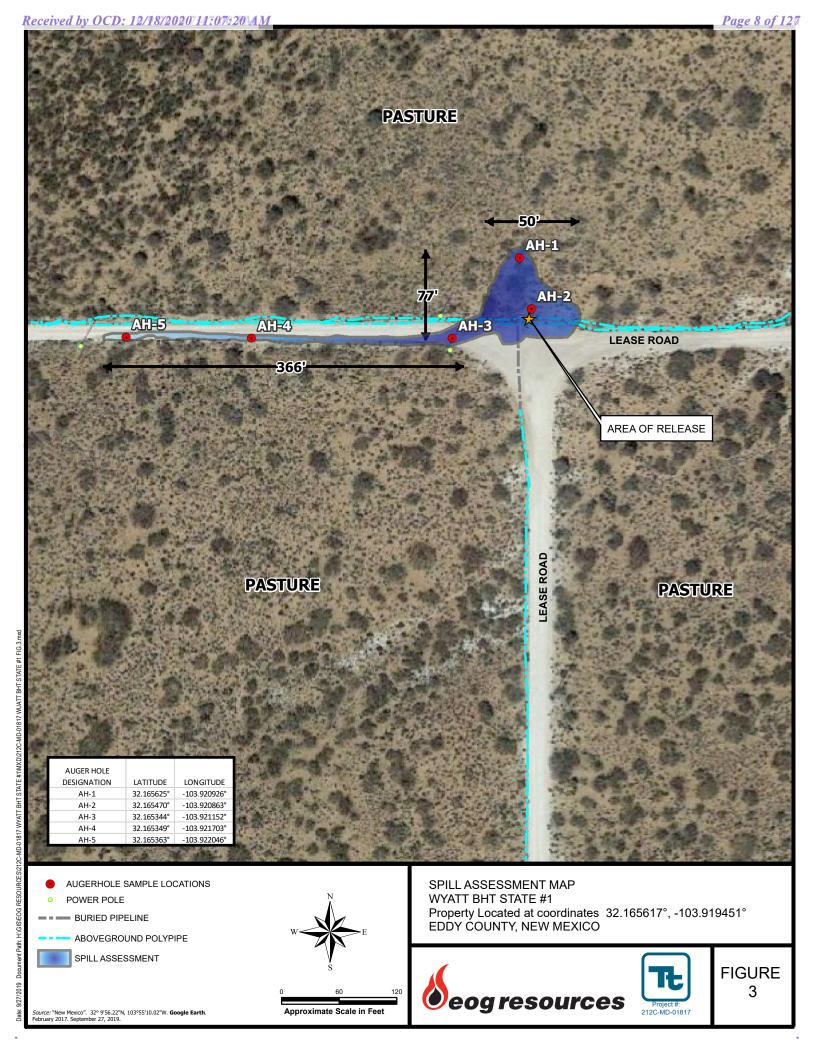
Clair Gonzales, P.G., Project Manager

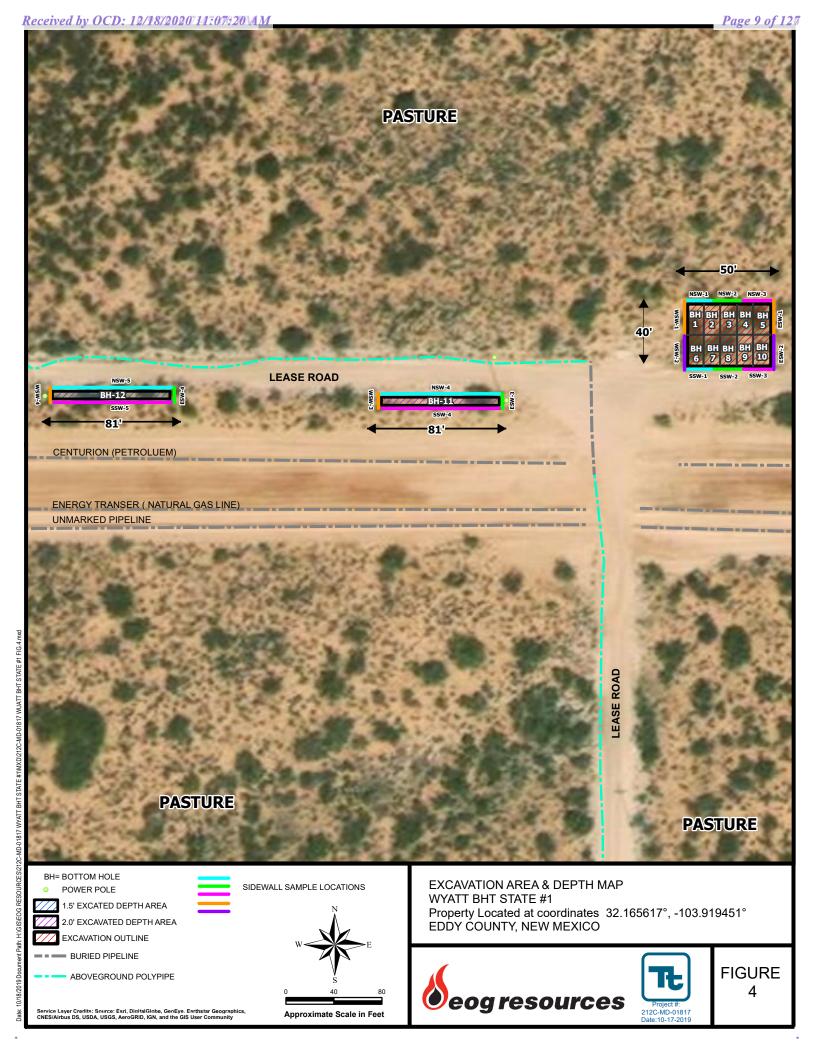
cc: James Kennedy – EOG Todd Wells - EOG

Figures









Tables

Table 1 EOG Wyatt BHT State #1 Eddy County, New Mexico

0	0I- D-/-	Sample	Soil Status			TPH (mg/kg)			Benzene	Toluene	Ethlybenzene	Xylene	Total BTEX	Chloride
Sample ID	Sample Date	Depth (ft)	In-Situ	Removed	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
AH-1	6/28/2019	0-1	Х		<15.0	29.1	<15.0	29.1	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	396
	"	1-1.5	Χ		<14.9	<14.9	<14.9	<14.9	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	248
	"	2-2.5	Χ		-	-	-	-	-	-	-	-	-	52.5
	"	3-3.5	Χ		-	1	-	-	-	-	-	-	-	10.8
	"	4-4.5	Χ		-	-	-	-	-	-	-	-	-	<5.03
	"	5-5.5	Χ		-	-	-	-	-	-	-	-	-	10.9
AH-2	6/28/2019	0-1		Χ	1,700	4,970	246	6,920	0.136	6.36	6.63	43.2	56.3	3,310
	"	1-1.5		Х	1,460	4,140	191	5,790	0.101	4.64	5.20	33.0	42.9	4,090
	"	2-2.5		Х	<15.0	171	<15.0	171	-	-	-	-	-	5,150
	"	3-3.5		Х	<15.0	64.3	<15.0	64.3	-	-	-	-	-	940
	"	4-4.5		Χ	<15.0	405	37.1	442	-	-	-	-	-	1,330
AH-3	6/28/2019	0-1		Х	<15.0	241	29.8	271	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	3,740
	"	1-1.5	Χ		<15.0	52.9	<15.0	52.9	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	40.6
	"	2-2.5	Χ		-	-	-	-	-	-	-	-	-	141
	"	3-3.5	Х		-	-	-	-	-	-	-	-	-	117
	"	4-4.5	Χ		-	-	-	-	-	-	-	-	-	<4.95
AH-4	6/28/2019	0-1	Х		<14.9	57.1	<14.9	57.1	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	388
	"	1-1.5	Х		<15.0	30.7	<15.0	30.7	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	170
	"	2-2.5	Χ		-	-	-	-	-	-	-	-	-	491
AH-5	6/28/2019	0-1		Х	76.4	743	48.6	868	<0.0020	<0.0020	0.0028	0.0379	0.0407	255
	"	1-1.5		Х	<15.0	154	<15.0	154	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	94.7
	"	2-2.5	Х		<15.0	59.9	<15.0	59.9	-	-	-	-	-	111
		3-3.5	Х		-	-	-	-	-	-	-	-	-	133

(-) Not Analyzed Excavated Depths

Table 2 EOG Wyatt BHT State #1 Eddy County, New Mexico

						-	-	ew Mexi						
Sample ID	Sample Date	Excavation Depth (ft)	Soil :	Status Removed	GRO	DRO	mg/kg) MRO	Total	Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
North Sidewall 1	10/3/2019	-	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
North Sidewall 2	10/3/2019	-	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
North Sidewall 3	10/3/2019	-	Х		<10.0	27.8	13.4	41.2	<0.050	<0.050	<0.050	<0.150	<0.300	112
North Sidewall 4	10/8/2019	-	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
North Sidewall 5	10/8/2019	-	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
East Sidewall 1	10/3/2019	-	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
East Sidewall 2	10/3/2019	-	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
East Sidewall 3	10/8/2019	-	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
East Sidewall 4	10/8/2019	-	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
South Sidewall 1	10/3/2019	-	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
South Sidewall 2	10/3/2019	-	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
South Sidewall 3	10/7/2019	-	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
South Sidewall 4	10/8/2019	-	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
South Sidewall 5	10/8/2019	-	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
West Sidewall 1	10/3/2019	-	Х		<10.0	13.9	<10.0	13.9	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
West Sidewall 2	10/7/2019	-	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
West Sidewall 3	10/8/2019	-	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
West Sidewall 4	10/8/2019	-	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
Bottom Hole #1	10/3/2019	7.0	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
Bottom Hole #2	10/3/2019	7.0	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
Bottom Hole #3	10/3/2019	7.0	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
Bottom Hole #4	10/3/2019	7.0	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
Bottom Hole #5	10/3/2019	7.0	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
Bottom Hole #6	10/7/2019	7.0	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
Bottom Hole #7	10/7/2019	7.0	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
Bottom Hole #8	10/7/2019	7.0	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
Bottom Hole #9	10/4/2019	7.0	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	304
Bottom Hole #10	10/4/2019	7.0	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
Bottom Hole #11	10/8/2019	1.5	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
Bottom Hole #12	10/8/2019	2.0	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144

Photos

EOG Resources Wyatt BHT State #1 Eddy County, New Mexico





View Northwest – Excavated Area of AH-2



View East – Excavated Area of AH-3

EOG Resources Wyatt BHT State #1 Eddy County, New Mexico





View East – Excavated Area of AH-5

Appendix A

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	NAB1917737111
District RP	2RP-5501
Facility ID	
Application ID	pAB1917736844

Release Notification

Responsible Party

Responsible Party EOG Resources					OGRID 7377				
Contact Name Todd Wells					Contact Telephone (432) 686-3613				
Contact ema	il Todd_We	lls@eogresources	.com		Incident # (assigned by OCD) NAB1917737111				
Contact mail 79706	ing address	5509 Champions	Drive Midland, T	ГХ					
			Location	ı of Re	elease Source				
Latitude 32.1	65688°		(NAD 83 in d	Longitude -103.919651° grees to 5 decimal places)					
Site Name W	yatt BHT S	tate #1			Site Type EOG Flow Line				
Date Release	Discovered	6/15/19			API# (if applicable) 30-015-34553				
Unit Letter	Section	Township	Range		County				
С	6	25S	30E	Eddy	/				
	Materia		Nature an	d Volu	ume of Release ions or specific justification for the volumes provided below)				
Crude Oil		Volume Release			Volume Recovered (bbls) 0				
Produced	Water	Volume Release	,		Volume Recovered (bbls) 0				
		Is the concentrate produced water	ion of dissolved >10,000 mg/l?	chloride i	e in the Yes No				
Condensa	te	Volume Release			Volume Recovered (bbls)				
Natural G	as	Volume Release	d (Mcf)		Volume Recovered (Mcf)				
Other (describe) Volume/Weight Released (provide units				de units)	Volume/Weight Recovered (provide units)				
	the lease roa	d at GPS coordina			line located approximately 250-feet west of the well pad along the 20848°. Approximately 8 bbls of oil and water released from the				

Page 18 of 127

Incident ID NAB1917737111 Oil Conservation Division District RP 2RP-5501 Facility ID

Application ID

				Application ID	pAB1917736844
Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☒ No	If YES, for what reason(s) of	loes the resp	onsible party consider	this a major release?	
If YES, was immediate no	otice given to the OCD? By v	whom? To v	whom? When and by w	what means (phone, e	mail, etc)?
		Initial F	Response		
The responsible	party must undertake the following a		•	a safety hazard that would	d result in injury
 ☑ 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: 					
has begun, please attach	AC the responsible party may a narrative of actions to date at area (see 19.15.29.11(A)(5)	. If remedia	l efforts have been su	ccessfully completed	or if the release occurred
regulations all operators are public health or the environing failed to adequately investig	ormation given above is true and or required to report and/or file cert ment. The acceptance of a C-141 gate and remediate contamination of a C-141 report does not relieve	tain release no report by the that pose a th	otifications and perform of OCD does not relieve the reat to groundwater, surf	corrective actions for relate operator of liability shace water, human health	eases which may endanger nould their operations have nor the environment. In
Printed Name:Todd W	<u>Vells</u>	Title:	Environmental Speci	alist	
Signature: Todd	Wells		_ Date: <u>6-19-19</u>		

Telephone: (432) 686-3613

OCD Only

email: Todd Wells@eogresources.com

Received by: __Amalia Bustamante Date: 6/26/2019 Received by OCD: 12/18/2020 11:07:20 AM
From C-141 State of New Mexico
Page 3 Oil Conservation Division

	Page 19 of 127
Incident ID	NAB1917737111
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: 12/18/2020/14:07:20 AM State of New Mexico
Page 4 Oil Conservation Division

Page 20 of 127

	1 180 20 0/12
Incident ID	NAB1917737111
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release no public health or the environment. The acceptance of a C-141 report by the failed to adequately investigate and remediate contamination that pose a threaddition, OCD acceptance of a C-141 report does not relieve the operator of and/or regulations.	occ does not relieve the operator of liability should their operations have eat to groundwater, surface water, human health or the environment. In
Printed Name:	_ Title:
Signature: Todd Wells	Date:
email:	Telephone:
OCD Only	
Received by: Cristina Eads	Date: 10/9/2020

Received by OCD: 12/18/2020/11:07:20 AM
State of New Mexico
Page 6 Oil Conservation Division

Page 21 of 12%

Incident ID NAB1917737111

District RP
Facility ID
Application ID

Closure

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

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

☐ A scaled site and sampling diagram as described in 19.15.29.1	1 NMAC
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate ODC	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 certain may endanger public health or the environment. The acceptance of	ntions. The responsible party acknowledges they must substantially nditions that existed prior to the release or their final land use in
Printed Name:	Title:
Signature: Todd Wells	Date:
email:	Telephone:
OCD Only	
Received by: Cristina Eads	Date: 10/9/2020
remediate contamination that poses a threat to groundwater, surface party of compliance with any other federal, state, or local laws and/o	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:	Date: 12/18/2020
Printed Name: Cristina Eads	Title:Environmental Specialist

Appendix B

Water Well Data Average Depth to Groundwater (ft) EOG - Wyatt BHT State #1H, Eddy County, New Mexico

	24 Sc	outh	29) East			24 S	outh	3	0 East			24 S	outh	31	East	
6	5	4	3	2	1	6	5	4	3	2	1	6	5	4	3	2 192	1
7	8	9	10	11	12	7	8	9	10	11	12	7	8	9	10	11	12
18	17 4	16	15	14	13	18	186 17	16	15	14	13	18	17	16	15	14	13
19	20	18 21	22	23	24	19 231	20	21	22	23	24	19	20	21	22	23	24
30	29	28	27	26	25	150 30	29	28	27	400 26	25	30	29	28	27	26	25
31	32	33	34	35	36	31	32	33	34	35	36	31	32	33	34	35	36
	25 Sc	uth		East			25 S	outh		0 East			25 S	outh		East	
6 40	∤5	4	3	2	1	6	5	4	3	2 295	1	6	5	4	3	2	1
	8	9	10 40	11	12	7 264	8	9 295	10	11	12 390	7	8	9	10	11	12
18	17	16	15 60	14	13	18	17	16	15	14	13	18	17	16	15	14	13
19	20	21	22	23	24	19	20	21 265	22	23	24	19	20	21 390	22	23	24
30	29	28	27	26	25	30	29	268 28	27	26	25	30	29	290 28	27	26	25
30 31	32 115	33	34	35	36	31	32	33	34	35	36	31	32	33	34	35	36
	26 Sc	u th	<u> </u>	East			26 Sc		2	0 East			26.5	outh	24	East	
6	5-78	4	3	2 2	1	6	5 179		3	2	1	6	5	4	3	2	1 335
0	}					O	180										287
7	8	9	10	11	12	7	8 172	9	10	11	12	7	8 295 275	9	10	11	12
18	17	16 125	15	14	13	18	17	16	15	14	13	18	17	16	15	14	13
19 (20	21	22 57	23	24	19	20	21	22	23	24 180	19	20	21	22	23	24
30	29	28	27	26	25	30	29	28	27	26	25	30	29	28	27	26	25
31	32	33	34	35	36	31	32	33	34	35	36	31	32	33	34	35	36
						<u> </u>											

- 88 New Mexico State Engineers Well Reports
- 105 USGS Well Reports
- 90 Geology and Groundwater Conditions in Southern Lea, County, NM (Report 6)
- 90 Geology and Groundwater Resources of Eddy County, NM (Report 3)
- 34 NMOCD Groundwater Data
- **121** Abandoned Waterwell (recently measured)



New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.) (R=POD has been replaced, O=orphaned,

C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	POD Sub- Code basin	County	Q C	-	Sec	Tws	Rng)	(Y	-	-	Water Column
C 01379	С	ED	4 4	3	10	25S	30E	606571	3556355* 🌍	400		
C 03716 POD1	CUB	ED	4 2	2	02	25S	30E	609069	3559211 🌍	600	425	175
C 03781 POD1	CUB	ED	3 3	3	13	25S	30E	609306	3554761 🎒	720	325	395
C 03782 POD1	CUB	ED	4 3	3	28	25S	30E	604526	3551444 🌕	805	277	528
C 03891 POD1	CUB	ED	4 4	2	01	25S	30E	610608	3558890 🌑	635	429	206

Average Depth to Water: 364 feet

Minimum Depth: 277 feet

Maximum Depth: 429 feet

Record Count: 5

PLSS Search:

Township: 25S Range: 30E



New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a (R=POD has been replaced, O=orphaned,

& no longer serves a C=the file is water right file.) Closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

	POD											
	Sub-		Q (Q Q						Depth	Depth	Water
POD Number	Code basin	County	64 1	6 4	Sec	Tws	Rng)	(Y	Well	Water	Column
C 01379	С	ED	4 4	4 3	10	25S	30E	606571	3556355* 🌍	400		
C 03716 POD1	CUB	ED	4 2	2 2	02	25S	30E	609069	3559211 🎒	600	425	175
C 03781 POD1	CUB	ED	3 3	3 3	13	25S	30E	609306	3554761 🎒	720	325	395
C 03782 POD1	CUB	ED	4 3	3 3	28	25S	30E	604526	3551444 🌑	805	277	528
C 03891 POD1	CUB	ED	4 4	1 2	01	25S	30E	610608	3558890 🌕	635	429	206

Average Depth to Water: 364 feet

Minimum Depth: 277 feet

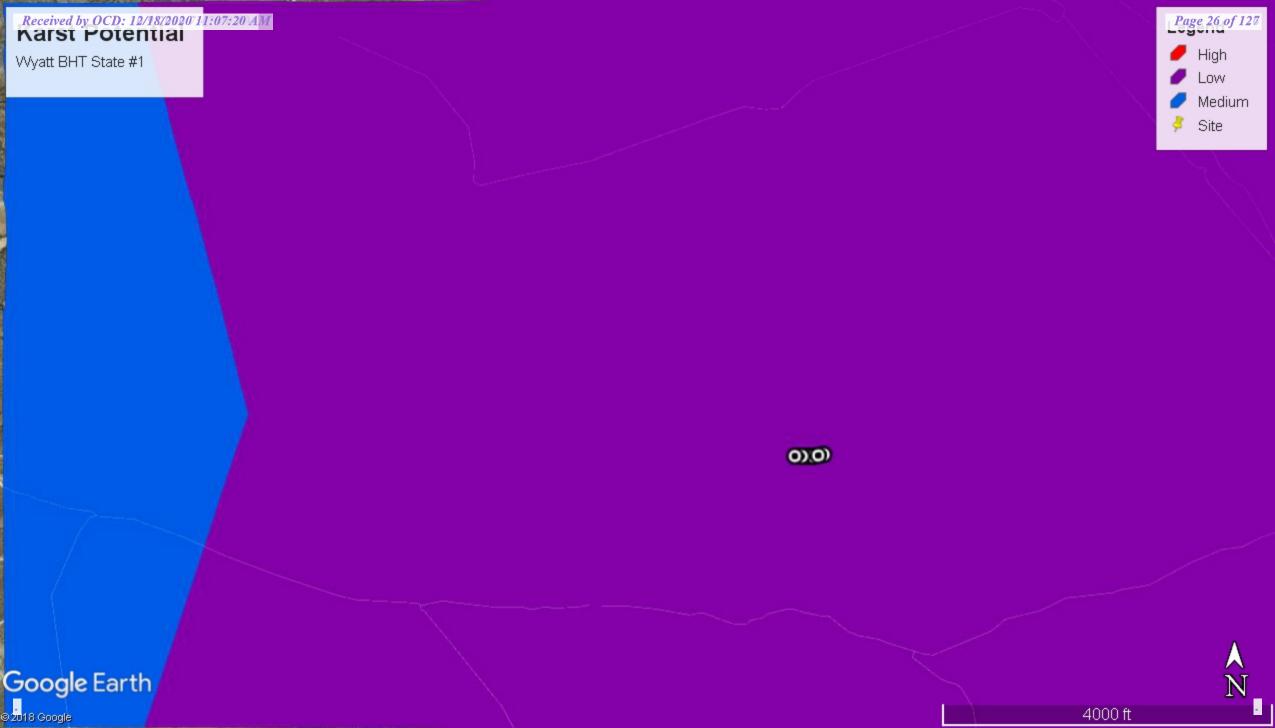
(In feet)

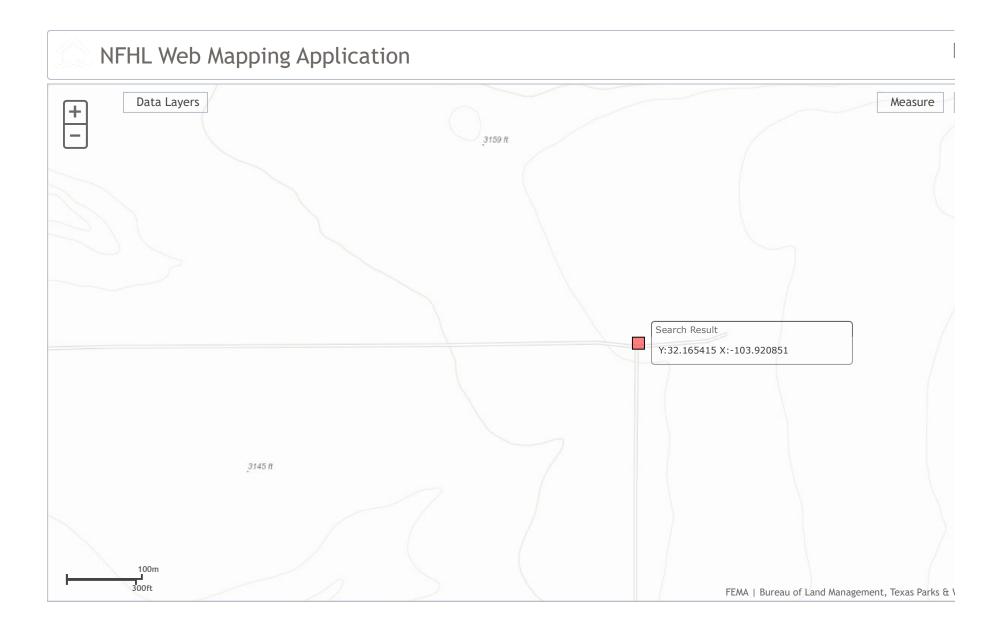
Maximum Depth: 429 feet

Record Count: 5

PLSS Search:

Township: 25S Range: 30E







National Water Information System: Mapper

Sites Map	
Search	
Search by Street Address:	A Company of the Comp
32.165415, -103.920851	
Search by Place Name:	
Enter Place Name	
Search by Site Number(s): Enter Site Number(s)	
Enter Site Number(3)	
Search by State/Territory:	
Select an Area	
Search by Watershed Region: Select a Region	
Surface-Water Sites	
Groundwater Sites	
Springs	
Atmospheric Sites	LE CAMPINI USD
Other Sites	Site Information

Appendix C



October 07, 2019

MIKE CARMONA
TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND, TX 79701

RE: WYATT BHT STATE #1

Enclosed are the results of analyses for samples received by the laboratory on 10/04/19 16:20.

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

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Analyzed By: BF

Received:

BTEX 8021B

10/04/2019

Sampling Date:

10/03/2019

Reported:

10/07/2019

Sampling Type:

Soil

Project Name:

WYATT BHT STATE #1

Sampling Condition: Sample Received By:

Cool & Intact
Tamara Oldaker

Project Number: Project Location:

212C - MD - 01817 EOG-EDDY CO., NM

mg/kg

Sample ID: NORTH # 1 SIDEWALL (H903393-01)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2019	ND	1.85	92.3	2.00	2.12	
Toluene*	<0.050	0.050	10/07/2019	ND	1.82	91.0	2.00	0.574	
Ethylbenzene*	<0.050	0.050	10/07/2019	ND	1.79	89.6	2.00	1.05	
Total Xylenes*	<0.150	0.150	10/07/2019	ND	5.53	92.2	6.00	0.858	
Total BTEX	<0.300	0.300	10/07/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	79.5	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	10/07/2019	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/07/2019	ND	199	99.3	200	1.79	
DRO >C10-C28*	<10.0	10.0	10/07/2019	ND	199	99.6	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	10/07/2019	ND					
Surrogate: 1-Chlorooctane	91.2	% 41-142							
Surrogate: 1-Chlorooctadecane	93.7	% 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keine



Analytical Results For:

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

Analyzed By: BE

Received:

10/04/2019

Sampling Date:

10/03/2019

Reported:

10/07/2019

Sampling Type:

Soil

Project Name: Project Number: WYATT BHT STATE #1 212C - MD - 01817 Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Location:

RTFY 8021R

EOG-EDDY CO., NM

Sample ID: NORTH # 2 SIDEWALL (H903393-02)

	mg/	··· ·	7,	а ву: вг					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2019	ND	1.85	92.3	2.00	2.12	
Toluene*	<0.050	0.050	10/07/2019	ND	1.82	91.0	2.00	0.574	
Ethylbenzene*	<0.050	0.050	10/07/2019	ND	1.79	89.6	2.00	1.05	
Total Xylenes*	<0.150	0.150	10/07/2019	ND	5.53	92.2	6.00	0.858	
Total BTEX	<0.300	0.300	10/07/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	79.3 %	6 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/07/2019	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/07/2019	ND	199	99.3	200	1.79	
DRO >C10-C28*	<10.0	10.0	10/07/2019	ND	199	99.6	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	10/07/2019	ND					
Surrogate: 1-Chlorooctane	95.2 9	% 41-142							
Surrogate: 1-Chlorooctadecane	97.7 9	37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Kreine



Analytical Results For:

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

Received:

10/04/2019

Sampling Date:

10/03/2019

Reported:

10/07/2019

Sampling Type:

Soil

Project Name: Project Number: WYATT BHT STATE #1 212C - MD - 01817

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

Project Location:

EOG-EDDY CO., NM

Sample ID: NORTH # 3 SIDEWALL (H903393-03)

BTEX 8021B	mg/	kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2019	ND	1.85	92.3	2.00	2.12	
Toluene*	<0.050	0.050	10/07/2019	ND	1.82	91.0	2.00	0.574	
Ethylbenzene*	<0.050	0.050	10/07/2019	ND	1.79	89.6	2.00	1.05	
Total Xylenes*	<0.150	0.150	10/07/2019	ND	5.53	92.2	6.00	0.858	
Total BTEX	<0.300	0.300	10/07/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	78.4	% 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	112	16.0	10/07/2019	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/07/2019	ND	199	99.3	200	1.79	
DRO >C10-C28*	27.8	10.0	10/07/2019	ND	199	99.6	200	1.01	
EXT DRO >C28-C36	13.4	10.0	10/07/2019	ND					
Surrogate: 1-Chlorooctane	96.7	% 41-142	·						
Summanta I Chlana a sta da sana	100 (27 6 1 4	7						

Surrogate: 1-Chlorooctadecane

100 %

37.6-147

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:

10/04/2019

Sampling Date:

10/03/2019

Reported:

10/07/2019

Sampling Type:

Soil

Project Name: Project Number: WYATT BHT STATE #1 212C - MD - 01817

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

Project Location:

EOG-EDDY CO., NM

Sample ID: EAST # 1 SIDEWALL (H903393-04)

BTEX 8021B	mg/	kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2019	ND	1.85	92.3	2.00	2.12	
Toluene*	<0.050	0.050	10/07/2019	ND	1.82	91.0	2.00	0.574	
Ethylbenzene*	<0.050	0.050	10/07/2019	ND	1.79	89.6	2.00	1.05	
Total Xylenes*	<0.150	0.150	10/07/2019	ND	5.53	92.2	6.00	0.858	
Total BTEX	<0.300	0.300	10/07/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	78.5 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	144	16.0	10/07/2019	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	10/07/2019	ND	199	99.3	200	1.79	
DRO >C10-C28*	<10.0	10.0	10/07/2019	ND	199	99.6	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	10/07/2019	ND					
Surrogate: 1-Chlorooctane	98.9 9	6 41-142	!						
Surrogate: 1-Chlorooctadecane	102 %	6 37.6-14	7						

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*=Accredited Analyte

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Celey D. Keine



Analytical Results For:

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

Analyzed By: BE

Received:

RTFY 8021R

10/04/2019

Sampling Date:

10/04/2019

Reported:

10/07/2019

Sampling Type:

Soil

Project Name:

WYATT BHT STATE #1 212C - MD - 01817

Sampling Condition: Sample Received By:

Cool & Intact Tamara Oldaker

Project Number: Project Location:

EOG-EDDY CO., NM

Sample ID: EAST # 2 SIDEWALL (H903393-05)

B1EX 8021B	mg,	кg	Anaiyze	a By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2019	ND	1.85	92.3	2.00	2.12	
Toluene*	<0.050	0.050	10/07/2019	ND	1.82	91.0	2.00	0.574	
Ethylbenzene*	<0.050	0.050	10/07/2019	ND	1.79	89.6	2.00	1.05	
Total Xylenes*	<0.150	0.150	10/07/2019	ND	5.53	92.2	6.00	0.858	
Total BTEX	<0.300	0.300	10/07/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	80.2	% 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	160	16.0	10/07/2019	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	10/07/2019	ND	199	99.3	200	1.79	
DRO >C10-C28*	<10.0	10.0	10/07/2019	ND	199	99.6	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	10/07/2019	ND					
Surrogate: 1-Chlorooctane	97.9	% 41-142	ı						
Surrogate: 1-Chlorooctadecane	99.5	% 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Analyzed By: BE

Received:

RTFY 8021R

10/04/2019

Sampling Date:

10/04/2019

Reported:

10/07/2019

Sampling Type:

Soil

Project Name:

WYATT BHT STATE #1

Sampling Condition:

Cool & Intact

Project Number: Project Location:

212C - MD - 01817 EOG-EDDY CO., NM Sample Received By:

Tamara Oldaker

Sample ID: SOUTH # 1 SIDEWALL (H903393-06)

B1EX 8021B	mg/	кg	Anaiyze	a By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2019	ND	1.85	92.3	2.00	2.12	
Toluene*	<0.050	0.050	10/07/2019	ND	1.82	91.0	2.00	0.574	
Ethylbenzene*	<0.050	0.050	10/07/2019	ND	1.79	89.6	2.00	1.05	
Total Xylenes*	<0.150	0.150	10/07/2019	ND	5.53	92.2	6.00	0.858	
Total BTEX	<0.300	0.300	10/07/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	79.1	% 73.3-129	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	144	16.0	10/07/2019	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	10/07/2019	ND	199	99.3	200	1.79	
DRO >C10-C28*	<10.0	10.0	10/07/2019	ND	199	99.6	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	10/07/2019	ND					
Surrogate: 1-Chlorooctane	95.4	% 41-142							
Surrogate: 1-Chlorooctadecane	95.9	% 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keine



Analytical Results For:

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

Received:

BTEX 8021B

10/04/2019

Sampling Date:

10/04/2019

Reported:

10/07/2019

Sampling Type:

Soil

Project Name:

WYATT BHT STATE #1 212C - MD - 01817 Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number: Project Location:

EOG-EDDY CO., NM

Sample ID: SOUTH # 2 SIDEWALL (H903393-07)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2019	ND	1.85	92.3	2.00	2.12	
Toluene*	<0.050	0.050	10/07/2019	ND	1.82	91.0	2.00	0.574	
Ethylbenzene*	<0.050	0.050	10/07/2019	ND	1.79	89.6	2.00	1.05	
Total Xylenes*	<0.150	0.150	10/07/2019	ND	5.53	92.2	6.00	0.858	
Total BTEX	<0.300	0.300	10/07/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	78.1	% 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	144	16.0	10/07/2019	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	10/07/2019	ND	201	101	200	11.7	

ND

ND

196

98.0

200

6.25

Analyzed By: BF

Surrogate: 1-Chlorooctane

DRO >C10-C28*

EXT DRO >C28-C36

85.2 %

<10.0

<10.0

41-142

10/07/2019

10/07/2019

10.0

10.0

Surrogate: 1-Chlorooctadecane

87.3 %

37.6-147

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Freene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Analyzed By: BE

Received:

RTFY 8021R

10/04/2019

Sampling Date:

10/03/2019

Reported:

10/07/2019

Sampling Type:

Soil

Project Name:

WYATT BHT STATE #1

Sampling Condition: Sample Received By:

Cool & Intact Tamara Oldaker

Project Number:

212C - MD - 01817

Project Location: EOG-EDDY CO., NM

Sample ID: WEST # 1 SIDEWALL (H903393-08)

BIEX 8021B	mg/	кg	Anaiyze	а ву: вг					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2019	ND	1.85	92.3	2.00	2.12	
Toluene*	<0.050	0.050	10/07/2019	ND	1.82	91.0	2.00	0.574	
Ethylbenzene*	<0.050	0.050	10/07/2019	ND	1.79	89.6	2.00	1.05	
Total Xylenes*	<0.150	0.150	10/07/2019	ND	5.53	92.2	6.00	0.858	
Total BTEX	<0.300	0.300	10/07/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	77.0	% 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	80.0	16.0	10/07/2019	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	10/07/2019	ND	201	101	200	11.7	
DRO >C10-C28*	13.9	10.0	10/07/2019	ND	196	98.0	200	6.25	
EXT DRO >C28-C36	<10.0	10.0	10/07/2019	ND					
Surrogate: 1-Chlorooctane	81.2	% 41-142	ı						
Surrogate: 1-Chlorooctadecane	83.4	% 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keine



Analytical Results For:

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

Received:

10/04/2019

Sampling Date:

10/03/2019

Reported:

10/07/2019

Sampling Type:

Soil

Project Name: Project Number: WYATT BHT STATE #1 212C - MD - 01817

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

Project Location:

EOG-EDDY CO., NM

Sample ID: BOTTOM HOLE # 1 (7' BEB) (H903393-09)

BTEX 8021B	mg/	kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	10/07/2019	ND	2.25	113	2.00	0.131	
Toluene*	<0.050	0.050	10/07/2019	ND	1.96	98.2	2.00	0.844	
Ethylbenzene*	<0.050	0.050	10/07/2019	ND	1.98	99.1	2.00	0.661	
Total Xylenes*	<0.150	0.150	10/07/2019	ND	6.06	101	6.00	0.0505	
Total BTEX	<0.300	0.300	10/07/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.69	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/07/2019	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	10/07/2019	ND	201	101	200	11.7	
DRO >C10-C28*	<10.0	10.0	10/07/2019	ND	196	98.0	200	6.25	
EXT DRO >C28-C36	<10.0	10.0	10/07/2019	ND					
Surrogate: 1-Chlorooctane	82.3 9	% 41-142	1						
Surrogate: 1-Chlorooctadecane	83.4	% 37.6-14	7						

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Analytical Results For:

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

Received:

10/04/2019

Sampling Date:

10/03/2019

Reported:

10/07/2019

Sampling Type:

Soil

Project Name:

WYATT BHT STATE #1 212C - MD - 01817

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

Project Number: Project Location:

EOG-EDDY CO., NM

Sample ID: BOTTOM HOLE # 2 (7' BEB) (H903393-10)

BTEX 8021B	mg/	kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2019	ND	2.25	113	2.00	0.131	
Toluene*	<0.050	0.050	10/07/2019	ND	1.96	98.2	2.00	0.844	
Ethylbenzene*	<0.050	0.050	10/07/2019	ND	1.98	99.1	2.00	0.661	
Total Xylenes*	<0.150	0.150	10/07/2019	ND	6.06	101	6.00	0.0505	
Total BTEX	<0.300	0.300	10/07/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.6	% 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	32.0	16.0	10/07/2019	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	10/07/2019	ND	201	101	200	11.7	
DRO >C10-C28*	<10.0	10.0	10/07/2019	ND	196	98.0	200	6.25	
EXT DRO >C28-C36	<10.0	10.0	10/07/2019	ND					
Surrogate: 1-Chlorooctane	83.9	% 41-142	ı						
Surrogate: 1-Chlorooctadecane	85.8	% 37.6-14	7						

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Analytical Results For:

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

Received:

10/04/2019

Sampling Date:

10/03/2019

Reported:

10/07/2019

Sampling Type:

Soil

Project Name: Project Number: WYATT BHT STATE #1 212C - MD - 01817

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

Project Location:

EOG-EDDY CO., NM

Sample ID: BOTTOM HOLE # 3 (7' BEB) (H903393-11)

BTEX 8021B	mg/	kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2019	ND	2.25	113	2.00	0.131	
Toluene*	<0.050	0.050	10/07/2019	ND	1.96	98.2	2.00	0.844	
Ethylbenzene*	<0.050	0.050	10/07/2019	ND	1.98	99.1	2.00	0.661	
Total Xylenes*	<0.150	0.150	10/07/2019	ND	6.06	101	6.00	0.0505	
Total BTEX	<0.300	0.300	10/07/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.4 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	32.0	16.0	10/07/2019	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	10/07/2019	ND	201	101	200	11.7	
DRO >C10-C28*	<10.0	10.0	10/07/2019	ND	196	98.0	200	6.25	
EXT DRO >C28-C36	<10.0	10.0	10/07/2019	ND					
Surrogate: 1-Chlorooctane	78.4 9	% 41-142	?						
Surrogate: 1-Chlorooctadecane	78.9 9	% 37.6-14	7						

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Analytical Results For:

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

Applyzod By: BE

Received:

RTFY 8021R

10/04/2019

Sampling Date:

10/03/2019

Reported:

10/07/2019

Sampling Type:

Soil

Project Name: Project Number: WYATT BHT STATE #1 212C - MD - 01817 Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Location:

EOG-EDDY CO., NM

ma/ka

Sample ID: BOTTOM HOLE # 4 (7' BEB) (H903393-12)

B1EX 8021B	mg	/кд	Anaiyze	a By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2019	ND	2.25	113	2.00	0.131	
Toluene*	<0.050	0.050	10/07/2019	ND	1.96	98.2	2.00	0.844	
Ethylbenzene*	<0.050	0.050	10/07/2019	ND	1.98	99.1	2.00	0.661	
Total Xylenes*	<0.150	0.150	10/07/2019	ND	6.06	101	6.00	0.0505	
Total BTEX	<0.300	0.300	10/07/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.6	% 73.3-129	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	32.0	16.0	10/07/2019	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	10/07/2019	ND	201	101	200	11.7	
DRO >C10-C28*	<10.0	10.0	10/07/2019	ND	196	98.0	200	6.25	
EXT DRO >C28-C36	<10.0	10.0	10/07/2019	ND					
Surrogate: 1-Chlorooctane	78.8	% 41-142							
Surrogate: 1-Chlorooctadecane	78.5	% 37.6-147	7						

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Celey D. Keine



Analytical Results For:

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

Applyzod By: BE

Received:

RTFY 8021R

10/04/2019

Sampling Date:

10/03/2019

Reported:

10/07/2019

Sampling Type:

Soil

Project Name:

WYATT BHT STATE #1 212C - MD - 01817

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

Project Number: Project Location:

EOG-EDDY CO., NM

ma/ka

Sample ID: BOTTOM HOLE # 5 (7' BEB) (H903393-13)

BIEX 8021B	mg	/ kg	Anaiyze	a By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2019	ND	2.25	113	2.00	0.131	
Toluene*	<0.050	0.050	10/07/2019	ND	1.96	98.2	2.00	0.844	
Ethylbenzene*	<0.050	0.050	10/07/2019	ND	1.98	99.1	2.00	0.661	
Total Xylenes*	<0.150	0.150	10/07/2019	ND	6.06	101	6.00	0.0505	
Total BTEX	<0.300	0.300	10/07/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8	% 73.3-129	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	16.0	16.0	10/07/2019	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	10/07/2019	ND	201	101	200	11.7	
DRO >C10-C28*	<10.0	10.0	10/07/2019	ND	196	98.0	200	6.25	
EXT DRO >C28-C36	<10.0	10.0	10/07/2019	ND					
Surrogate: 1-Chlorooctane	78.3	% 41-142							
Surrogate: 1-Chlorooctadecane	78.3	% 37.6-14	7						

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Celeg D. Freene



Analytical Results For:

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

Applyzod By: BE

Received:

RTFY 8021R

10/04/2019

Sampling Date:

10/04/2019

Reported:

10/07/2019

Sampling Type:

Soil

Project Name:

WYATT BHT STATE #1

Sampling Condition:

Cool & Intact

Project Number: Project Location:

212C - MD - 01817 EOG-EDDY CO., NM

ma/ka

Sample Received By:

Tamara Oldaker

Sample ID: BOTTOM HOLE # 10 (7' BEB) (H903393-14)

B1EX 8021B	mg/	кд	Anaiyze	а ву: вг					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2019	ND	2.25	113	2.00	0.131	
Toluene*	<0.050	0.050	10/07/2019	ND	1.96	98.2	2.00	0.844	
Ethylbenzene*	<0.050	0.050	10/07/2019	ND	1.98	99.1	2.00	0.661	
Total Xylenes*	<0.150	0.150	10/07/2019	ND	6.06	101	6.00	0.0505	
Total BTEX	<0.300	0.300	10/07/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.3	% 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	320	16.0	10/07/2019	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	10/07/2019	ND	201	101	200	11.7	
DRO >C10-C28*	<10.0	10.0	10/07/2019	ND	196	98.0	200	6.25	
EXT DRO >C28-C36	<10.0	10.0	10/07/2019	ND					
Surrogate: 1-Chlorooctane	77.5	% 41-142							
Surrogate: 1-Chlorooctadecane	78.6	% 37.6-14	7						

Cardinal Laboratories

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Analytical Results For:

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

Applyzod By: BE

Received:

RTFY 8021R

10/04/2019

Sampling Date:

10/04/2019

Reported:

10/07/2019

Sampling Type:

Soil

Project Name:

WYATT BHT STATE #1 212C - MD - 01817

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

Project Number: Project Location:

EOG-EDDY CO., NM

ma/ka

Sample ID: BOTTOM HOLE # 9 (7' BEB) (H903393-15)

B1EX 8021B	mg/	кg	Anaiyze	a By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2019	ND	2.25	113	2.00	0.131	
Toluene*	<0.050	0.050	10/07/2019	ND	1.96	98.2	2.00	0.844	
Ethylbenzene*	<0.050	0.050	10/07/2019	ND	1.98	99.1	2.00	0.661	
Total Xylenes*	<0.150	0.150	10/07/2019	ND	6.06	101	6.00	0.0505	
Total BTEX	<0.300	0.300	10/07/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.9	% 73.3-129	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	304	16.0	10/07/2019	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	10/07/2019	ND	201	101	200	11.7	
DRO >C10-C28*	<10.0	10.0	10/07/2019	ND	196	98.0	200	6.25	
EXT DRO >C28-C36	<10.0	10.0	10/07/2019	ND					
Surrogate: 1-Chlorooctane	79.2	% 41-142							
Surrogate: 1-Chlorooctadecane	81.2	% 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

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Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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Celeg D. Freene

TDS

General Water Chemistry (see attached list)

Sulfate

Anion/Cation Balance

Chloride

48 hr

72 hr

Page 18 of 19

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Page 19 of 19

nalysis Request of Chain of Custody R

	remiquished by.	Relinquished by:	Relinquished by:		O States			,	+		LAB#	H903393	-	Comments:	Roosiving Laborate	(county, state)	Project Name:		Client Name:	mail sis inclues.
	Date: Time:	1/14	ite:		Ostam Thece (7 SEB)	Holcotto (Hore #5	Hole #4	Hole#3 (7		SAMPLE IDENTIFICATION			CARDINAL	EOG - James Kennedy	Eddy Co, NM	Wyatt BHT State #1	EOG	Tetra Tech, Inc.	request of cliain of custody Record
ORIGINAL COPY	Received by:	Received by:	Received by:		10/4/01	10 4 19	10/3/19	10/3/15	10/3/19	DATE	YEAR: 2019	SAMPLING		Sampler Signature:		Project #:		Site Manager:		
	Date: Time:	10	Date: Time:		X	×	×	×	×	WATER SOIL HCL HNO ₃ ICE None		MATRIX PRESERVATIVE		Conner Moehring		212C-MD-01817		Mike Carmona	901W Wall Street, Ste 100 Midland, Texas 79705 Tel (432) 682-4559 Fax (432) 682-3946	
(Cin		.19 1420 San			- 2 ×	- 7 X	- Z	- Z X	Z	# CONTAI FILTERED BTEX 802) (Y/	RS N)	8260B							
(Circle) HAND DELIVERED FEDEX UPS Tracking #:	3.72 Special Report Limits or TRRP Report	Sample Temperature STANDARD STANDARD Sample Temperature Sample Temperature Sample Temperature Sample Temperature Sample Temperature			*	y	× × × × × × × × × × × × × × × × × × ×	× × ×		TPH TX100 TPH 8015M PAH 8270C Total Metals TCLP Metals TCLP Volati TCLP Semi RCI RC/MS Vol. RC/MS Sem PCB's 8082 RORM RLM (Asbess Chloride	05 (I M (C C S Ag Ils Ag Vola 820 Vola 820 Vola 820 Sulfa Sulfa	As Ba g As Ba atiles 60B / 60 ol. 827 08 atte 1 Chemis	235) DRO - O Cd Cr P Cd Cr F	b Se Hç	la 3		(Circle or Specify Method No.)	ANALYSIS REQUEST		Page Z of



October 09, 2019

MIKE CARMONA
TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND, TX 79701

RE: WYATT BHT STATE #1

Enclosed are the results of analyses for samples received by the laboratory on 10/08/19 13:00.

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.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received:

10/08/2019

Sampling Date:

10/07/2019

Reported:

10/09/2019

Sampling Type:

10/07/2019 Soil

Project Name:

WYATT BHT STATE #1 212C - MD - 01817 Sampling Condition: Sample Received By:

Cool & Intact Tamara Oldaker

Project Number: Project Location:

EOG-EDDY CO., NM

Sample ID: BOTTOM HOLE # 6 (7' BEB) (H903414-01)

BTEX 8021B	mg/	'kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/08/2019	ND	1.87	93.3	2.00	0.838	
Toluene*	<0.050	0.050	10/08/2019	ND	1.84	92.0	2.00	0.0585	
Ethylbenzene*	<0.050	0.050	10/08/2019	ND	1.82	91.1	2.00	0.907	
Total Xylenes*	<0.150	0.150	10/08/2019	ND	5.47	91.1	6.00	0.463	
Total BTEX	<0.300	0.300	10/08/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	81.4	% 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	32.0	16.0	10/09/2019	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/09/2019	ND	217	109	200	1.33	
DRO >C10-C28*	<10.0	10.0	10/09/2019	ND	213	107	200	0.704	
EXT DRO >C28-C36	<10.0	10.0	10/09/2019	ND					
Surrogate: 1-Chlorooctane	83.7	% 41-142	!						
Surrogate: 1-Chlorooctadecane	86.3	% 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keine



Analytical Results For:

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

Received:

10/08/2019

Sampling Date:

10/07/2019

Reported:

10/09/2019

Sampling Type:

Soil

Project Name:

WYATT BHT STATE #1 212C - MD - 01817

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

Project Number: Project Location:

EOG-EDDY CO., NM

Sample ID: BOTTOM HOLE # 7 (7' BEB) (H903414-02)

BTEX 8021B	mg/	kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/08/2019	ND	1.87	93.3	2.00	0.838	
Toluene*	<0.050	0.050	10/08/2019	ND	1.84	92.0	2.00	0.0585	
Ethylbenzene*	< 0.050	0.050	10/08/2019	ND	1.82	91.1	2.00	0.907	
Total Xylenes*	<0.150	0.150	10/08/2019	ND	5.47	91.1	6.00	0.463	
Total BTEX	<0.300	0.300	10/08/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	80.4	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	112	16.0	10/09/2019	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/09/2019	ND	217	109	200	1.33	
DRO >C10-C28*	<10.0	10.0	10/09/2019	ND	213	107	200	0.704	
EXT DRO >C28-C36	<10.0	10.0	10/09/2019	ND					
Surrogate: 1-Chlorooctane	90.1 9	% 41-142	ı						
Surrogate: 1-Chlorooctadecane	93.5	37.6-14	7						

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Analytical Results For:

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

Analyzed By: BF

Received:

BTEX 8021B

10/08/2019

Sampling Date:

10/07/2019

Reported:

10/09/2019

Sampling Type:

Soil

Project Name:

WYATT BHT STATE #1 212C - MD - 01817 Sampling Condition: Sample Received By: Cool & Intact
Tamara Oldaker

Project Number: Project Location:

EOG-EDDY CO., NM

mg/kg

Sample ID: BOTTOM HOLE # 8 (7' BEB) (H903414-03)

	<u> </u>			• •					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/08/2019	ND	1.87	93.3	2.00	0.838	
Toluene*	<0.050	0.050	10/08/2019	ND	1.84	92.0	2.00	0.0585	
Ethylbenzene*	<0.050	0.050	10/08/2019	ND	1.82	91.1	2.00	0.907	
Total Xylenes*	<0.150	0.150	10/08/2019	ND	5.47	91.1	6.00	0.463	
Total BTEX	<0.300	0.300	10/08/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	82.2	% 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	176	16.0	10/09/2019	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/09/2019	ND	217	109	200	1.33	
DRO >C10-C28*	<10.0	10.0	10/09/2019	ND	213	107	200	0.704	
EXT DRO >C28-C36	<10.0	10.0	10/09/2019	ND					
Surrogate: 1-Chlorooctane	93.1	% 41-142	,						
Surrogate: 1-Chlorooctadecane	94.8	% 37.6-14	7						

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Celeg D. Freene



Analytical Results For:

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

Received:

10/08/2019

Sampling Date:

10/07/2019

Reported:

10/09/2019

Sampling Type:

Soil

Project Name:

WYATT BHT STATE #1 212C - MD - 01817

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

Project Number: Project Location:

EOG-EDDY CO., NM

Sample ID: SOUTH 3 SIDEWALL (H903414-04)

BTEX 8021B	mg/	'kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2019	ND	1.87	93.3	2.00	0.838	
Toluene*	<0.050	0.050	10/09/2019	ND	1.84	92.0	2.00	0.0585	
Ethylbenzene*	<0.050	0.050	10/09/2019	ND	1.82	91.1	2.00	0.907	
Total Xylenes*	<0.150	0.150	10/09/2019	ND	5.47	91.1	6.00	0.463	
Total BTEX	<0.300	0.300	10/09/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	83.9	% 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	32.0	16.0	10/09/2019	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/09/2019	ND	217	109	200	1.33	
DRO >C10-C28*	<10.0	10.0	10/09/2019	ND	213	107	200	0.704	
EXT DRO >C28-C36	<10.0	10.0	10/09/2019	ND					
Surrogate: 1-Chlorooctane	97.4	% 41-142	?						
Summanta 1 Chlous atadasana	00.4	0/ 27.6.1.4	7						

Surrogate: 1-Chlorooctadecane

99.4 %

37.6-147

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Celeg D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:

10/08/2019

Sampling Date:

10/07/2019

Reported:

10/09/2019

Sampling Type:

Soil

Project Name: Project Number: WYATT BHT STATE #1 212C - MD - 01817

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

Project Location:

EOG-EDDY CO., NM

Sample ID: WEST 2 SIDEWALL (H903414-05)

BTEX 8021B	mg/	kg	Analyzed By: BF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2019	ND	1.87	93.3	2.00	0.838	
Toluene*	<0.050	0.050	10/09/2019	ND	1.84	92.0	2.00	0.0585	
Ethylbenzene*	<0.050	0.050	10/09/2019	ND	1.82	91.1	2.00	0.907	
Total Xylenes*	<0.150	0.150	10/09/2019	ND	5.47	91.1	6.00	0.463	
Total BTEX	<0.300	0.300	10/09/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	82.9 %	6 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	10/09/2019	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/09/2019	ND	217	109	200	1.33	
DRO >C10-C28*	<10.0	10.0	10/09/2019	ND	213	107	200	0.704	
EXT DRO >C28-C36	<10.0	10.0	10/09/2019	ND					
Surrogate: 1-Chlorooctane	89.0 %	6 41-142							
Surrogate: 1-Chlorooctadecane	92.9 9	6 37.6-14	7						

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Celey D. Keine



Analytical Results For:

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

Received:

10/08/2019

Sampling Date:

10/08/2019

Reported:

10/09/2019

Sampling Type:

Soil

Project Name:

WYATT BHT STATE #1

Sampling Condition:

Cool & Intact

Project Number:

212C - MD - 01817

Sample Received By:

Tamara Oldaker

Project Location:

EOG-EDDY CO., NM

Sample ID: BOTTOM HOLE # 11 (1.5' BEB) (H903414-06)

BTEX 8021B	mg/	kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2019	ND	1.87	93.3	2.00	0.838	
Toluene*	<0.050	0.050	10/09/2019	ND	1.84	92.0	2.00	0.0585	
Ethylbenzene*	<0.050	0.050	10/09/2019	ND	1.82	91.1	2.00	0.907	
Total Xylenes*	<0.150	0.150	10/09/2019	ND	5.47	91.1	6.00	0.463	
Total BTEX	<0.300	0.300	10/09/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	82.7 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/09/2019	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/09/2019	ND	217	109	200	1.33	
DRO >C10-C28*	<10.0	10.0	10/09/2019	ND	213	107	200	0.704	
EXT DRO >C28-C36	<10.0	10.0	10/09/2019	ND					
Surrogate: 1-Chlorooctane	97.2 9	% 41-142							
Surrogate: 1-Chlorooctadecane	102 9	6 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

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Analytical Results For:

Fax To:

TETRA TECH MIKE CARMONA 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Analyzed By: BF

(432) 682-3946

Received:

BTEX 8021B

10/08/2019

Sampling Date:

10/08/2019

Reported:

10/09/2019

Sampling Type:

Soil

Project Name:

WYATT BHT STATE #1 212C - MD - 01817

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

Project Number: Project Location:

EOG-EDDY CO., NM

mg/kg

Sample ID: BOTTOM HOLE # 12 (2.0' BEB) (H903414-07)

DIEX GOZID	ilig/	9	Allalyzo	u by. bi					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2019	ND	1.87	93.3	2.00	0.838	
Toluene*	<0.050	0.050	10/09/2019	ND	1.84	92.0	2.00	0.0585	
Ethylbenzene*	<0.050	0.050	10/09/2019	ND	1.82	91.1	2.00	0.907	
Total Xylenes*	<0.150	0.150	10/09/2019	ND	5.47	91.1	6.00	0.463	
Total BTEX	<0.300	0.300	10/09/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	79.3	% 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	10/09/2019	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/09/2019	ND	217	109	200	1.33	
DRO >C10-C28*	<10.0	10.0	10/09/2019	ND	213	107	200	0.704	
EXT DRO >C28-C36	<10.0	10.0	10/09/2019	ND					
Surrogate: 1-Chlorooctane	98.1	% 41-142							
Surrogate: 1-Chlorooctadecane	100	% 37.6-14	7						

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*=Accredited Analyte

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Analytical Results For:

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

Analyzed By: BE

Received:

RTFY 8021R

10/08/2019

Sampling Date:

10/08/2019

Reported:

10/09/2019

Sampling Type:

Soil

Project Name: Project Number: WYATT BHT STATE #1 212C - MD - 01817

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

Project Location:

EOG-EDDY CO., NM

Sample ID: NORTH 4 SIDEWALL (H903414-08)

B1EX 8021B	mg	/ kg	Anaiyze	ea By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2019	ND	1.87	93.3	2.00	0.838	
Toluene*	<0.050	0.050	10/09/2019	ND	1.84	92.0	2.00	0.0585	
Ethylbenzene*	<0.050	0.050	10/09/2019	ND	1.82	91.1	2.00	0.907	
Total Xylenes*	<0.150	0.150	10/09/2019	ND	5.47	91.1	6.00	0.463	
Total BTEX	<0.300	0.300	10/09/2019	ND					
Surrogate: 4-Bromofluorobenzene (P.	ID 80.9	% 73.3-12	9						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/09/2019	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/09/2019	ND	217	109	200	1.33	
DRO >C10-C28*	<10.0	10.0	10/09/2019	ND	213	107	200	0.704	
EXT DRO >C28-C36	<10.0	10.0	10/09/2019	ND					
Surrogate: 1-Chlorooctane	95.5	% 41-142	?						
Surrogate: 1-Chlorooctadecane	99.4	% 37.6-14	7						

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Celey D. Keine



Analytical Results For:

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

Analyzed By: BE

Received:

RTFY 8021R

10/08/2019

Sampling Date:

10/08/2019

Reported:

10/09/2019

Sampling Type:

Soil

Project Name: Project Number: WYATT BHT STATE #1 212C - MD - 01817 Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Location:

EOG-EDDY CO., NM

Sample ID: NORTH 5 SIDEWALL (H903414-09)

BIEX 8021B	mg	/кд	Anaiyze	a By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2019	ND	1.87	93.3	2.00	0.838	
Toluene*	<0.050	0.050	10/09/2019	ND	1.84	92.0	2.00	0.0585	
Ethylbenzene*	<0.050	0.050	10/09/2019	ND	1.82	91.1	2.00	0.907	
Total Xylenes*	<0.150	0.150	10/09/2019	ND	5.47	91.1	6.00	0.463	
Total BTEX	<0.300	0.300	10/09/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	80.9	% 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	112	16.0	10/09/2019	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/09/2019	ND	217	109	200	1.33	
DRO >C10-C28*	<10.0	10.0	10/09/2019	ND	213	107	200	0.704	
EXT DRO >C28-C36	<10.0	10.0	10/09/2019	ND					
Surrogate: 1-Chlorooctane	94.0	% 41-142	•						
Surrogate: 1-Chlorooctadecane	96.9	% 37.6-14	7						

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Celeg D. Freene



Analytical Results For:

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

Analyzed By: BE

Received:

RTFY 8021R

10/08/2019

Sampling Date:

10/08/2019

Reported:

10/09/2019

Sampling Type:

Soil

Project Name: Project Number: WYATT BHT STATE #1 212C - MD - 01817

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

Project Location:

EOG-EDDY CO., NM

Sample ID: SOUTH 4 SIDEWALL (H903414-10)

B1EX 8021B	mg/	kg	Anaiyze	a By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2019	ND	1.87	93.3	2.00	0.838	
Toluene*	<0.050	0.050	10/09/2019	ND	1.84	92.0	2.00	0.0585	
Ethylbenzene*	<0.050	0.050	10/09/2019	ND	1.82	91.1	2.00	0.907	
Total Xylenes*	<0.150	0.150	10/09/2019	ND	5.47	91.1	6.00	0.463	
Total BTEX	<0.300	0.300	10/09/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	81.2 %	6 73.3-129)						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/09/2019	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/09/2019	ND	217	109	200	1.33	
DRO >C10-C28*	<10.0	10.0	10/09/2019	ND	213	107	200	0.704	
EXT DRO >C28-C36	<10.0	10.0	10/09/2019	ND					
Surrogate: 1-Chlorooctane	97.4 %	6 41-142							
Surrogate: 1-Chlorooctadecane	100 %	6 37.6-147	7						

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Celey D. Kreine



Analytical Results For:

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

Analyzed By: BF

Received:

BTEX 8021B

10/08/2019

Sampling Date:

10/08/2019

Reported:

10/09/2019

Sampling Type:

Soil

Project Name: Project Number: WYATT BHT STATE #1 212C - MD - 01817

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

Project Location:

EOG-EDDY CO., NM

Sample ID: SOUTH 5 SIDEWALL (H903414-11)

	9/	9	7111411720	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2019	ND	1.87	93.3	2.00	0.838	
Toluene*	<0.050	0.050	10/09/2019	ND	1.84	92.0	2.00	0.0585	
Ethylbenzene*	<0.050	0.050	10/09/2019	ND	1.82	91.1	2.00	0.907	
Total Xylenes*	<0.150	0.150	10/09/2019	ND	5.47	91.1	6.00	0.463	
Total BTEX	<0.300	0.300	10/09/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	82.9	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	10/09/2019	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/09/2019	ND	217	109	200	1.33	
DRO >C10-C28*	<10.0	10.0	10/09/2019	ND	213	107	200	0.704	
EXT DRO >C28-C36	<10.0	10.0	10/09/2019	ND					
Surrogate: 1-Chlorooctane	95.8	% 41-142	,						
Surrogate: 1-Chlorooctadecane	96.8	% 37.6-14	7						

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Analytical Results For:

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

Received:

BTEX 8021B

10/08/2019

Sampling Date:

10/08/2019

Reported:

10/09/2019

Sampling Type:

Soil

Project Name: Project Number: WYATT BHT STATE #1 212C - MD - 01817 Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Location:

EOG-EDDY CO., NM

Sample ID: EAST 3 SIDEWALL (H903414-12)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2019	ND	1.87	93.3	2.00	0.838	
Toluene*	<0.050	0.050	10/09/2019	ND	1.84	92.0	2.00	0.0585	
Ethylbenzene*	<0.050	0.050	10/09/2019	ND	1.82	91.1	2.00	0.907	
Total Xylenes*	<0.150	0.150	10/09/2019	ND	5.47	91.1	6.00	0.463	
Total BTEX	<0.300	0.300	10/09/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	83.2	% 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	64.0	16.0	10/09/2019	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

ND

ND

ND

217

213

109

107

200

200

1.33

0.704

Analyzed By: BF

Surrogate: 1-Chlorooctane

GRO C6-C10*

DRO >C10-C28*

EXT DRO >C28-C36

96.9 %

<10.0

<10.0

<10.0

41-142

10/09/2019

10/09/2019

10/09/2019

10.0

10.0

10.0

Surrogate: 1-Chlorooctadecane

98.4 %

37.6-147

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Analyzed By: BE

Received:

RTFY 8021R

10/08/2019

Sampling Date:

10/08/2019

Reported:

10/09/2019

Sampling Type:

Soil

Project Name:

WYATT BHT STATE #1 212C - MD - 01817

Sampling Condition:

Cool & Intact

Project Number: Project Location:

EOG-EDDY CO., NM

Sample Received By: Tamara Oldaker

Sample ID: EAST 4 SIDEWALL (H903414-13)

BIEX 8021B	mg	/ kg	Anaiyze	a By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2019	ND	1.87	93.3	2.00	0.838	
Toluene*	<0.050	0.050	10/09/2019	ND	1.84	92.0	2.00	0.0585	
Ethylbenzene*	<0.050	0.050	10/09/2019	ND	1.82	91.1	2.00	0.907	
Total Xylenes*	<0.150	0.150	10/09/2019	ND	5.47	91.1	6.00	0.463	
Total BTEX	<0.300	0.300	10/09/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	83.6	% 73.3-12	9						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	10/09/2019	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/09/2019	ND	217	109	200	1.33	
DRO >C10-C28*	<10.0	10.0	10/09/2019	ND	213	107	200	0.704	
EXT DRO >C28-C36	<10.0	10.0	10/09/2019	ND					
Surrogate: 1-Chlorooctane	94.6	% 41-142	ı						
Surrogate: 1-Chlorooctadecane	96.1	% 37.6-14	7						

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Celey D. Kreine



Analytical Results For:

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

Analyzed By: BE

Received:

RTFY 8021R

10/08/2019

Sampling Date:

10/08/2019

Reported:

10/09/2019

Sampling Type:

Soil

Project Name: Project Number: WYATT BHT STATE #1 212C - MD - 01817

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

Project Location:

EOG-EDDY CO., NM

Sample ID: WEST 3 SIDEWALL (H903414-14)

B1EX 8021B	mg,	r kg	Anaiyze	а ву: вғ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2019	ND	1.87	93.3	2.00	0.838	
Toluene*	<0.050	0.050	10/09/2019	ND	1.84	92.0	2.00	0.0585	
Ethylbenzene*	<0.050	0.050	10/09/2019	ND	1.82	91.1	2.00	0.907	
Total Xylenes*	<0.150	0.150	10/09/2019	ND	5.47	91.1	6.00	0.463	
Total BTEX	<0.300	0.300	10/09/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	83.7	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	10/09/2019	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	10/09/2019	ND	217	109	200	1.33	
DRO >C10-C28*	<10.0	10.0	10/09/2019	ND	213	107	200	0.704	
EXT DRO >C28-C36	<10.0	10.0	10/09/2019	ND					
Surrogate: 1-Chlorooctane	98.2	% 41-142							
Surrogate: 1-Chlorooctadecane	102	% 37.6-14	7						

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Celey D. Keine



Analytical Results For:

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

Received:

10/08/2019

Sampling Date:

10/08/2019

Reported:

10/09/2019

Sampling Type:

Soil

Project Name:

WYATT BHT STATE #1 212C - MD - 01817 Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number: Project Location:

EOG-EDDY CO., NM

Sample ID: WEST 4 SIDEWALL (H903414-15)

BTEX 8021B	mg	/kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2019	ND	1.87	93.3	2.00	0.838	
Toluene*	<0.050	0.050	10/09/2019	ND	1.84	92.0	2.00	0.0585	
Ethylbenzene*	<0.050	0.050	10/09/2019	ND	1.82	91.1	2.00	0.907	
Total Xylenes*	<0.150	0.150	10/09/2019	ND	5.47	91.1	6.00	0.463	
Total BTEX	<0.300	0.300	10/09/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	83.6	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result Reporting Limit		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	10/09/2019	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	10/09/2019	ND	217	109	200	1.33	
DRO >C10-C28*	<10.0	10.0	10/09/2019	ND	213	107	200	0.704	
EXT DRO >C28-C36	<10.0	10.0	10/09/2019	ND					
Surrogate: 1-Chlorooctane	97.6	% 41-142	•						
Surrogate: 1-Chlorooctadecane	99.8	% 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

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Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Freene

Received by OCD: 12/18/2020 11:07:20 AM

Telinquished by:

Telinquished by: Page 66 of 127 61 Jo 81 əbed http:// Receiving Laboratory: Invoice to: (county, state) Project Name: Client Name: Comments: roject Locatior ONLY LAB# H mine WEST Roter COPIE U Ketom Hole# 11 Botom SOUTH 4 SIDEWALL HEON the store Hoic # 12 2 W HOLL + oic # 8 Eddy Co, NM EOG SIDEWALL EOG - James Kennedy Wyatt BHT State 4010 SIDEWALL Sidemail ARDIZAL SIDEWALL Tetra Tech, Inc. H SAMPLE IDENTIFICATION # L 0 15 2.0 BEB 853 BEB SE B # Date: Date: 18/14 BEB Date: Time: Ime: 300 Sampler Signature: Site Manager ORIGINAL COPY Received by 19/8/15 21/01 10/7/19 10 (7) 15 Project #: Received by: 101110 2 8 0 10/1/2 10/8/15 10/8/15 EAR: 2019 10 8 15 DATE SAMPLING TIME WATER Mike Carmona MATRIX SOIL 212C-MD-01817 901W Wall Street, Ste 100 Midland,Texas 79705 Tel (432) 682-4559 Fax (432) 682-3946 Conner Moehring Date: HCL PRESERVATIVE METHOD HNO₃ X ICE Time: None # CONTAINERS 7 2 7 5 5 2 2 2 7 FILTERED (Y/N) Sample Temperature BTEX 8260B BTEX 8021B X (Circle), HAND DELIVERED Corrected TPH TX1005 (Ext to C35) 38.6 LAB USE ONLY TPH 8015M (GRO - DRO - ORO - MRO) PAH 8270C Circle or Specify Method Total Metals Ag As Ba Cd Cr Pb Se Hg TCLP Metals Ag As Ba Cd Cr Pb Se Hg TCLP Volatiles REMARKS: **ANALYSIS REQUEST** TCLP Semi Volatiles RUSH: Same Day Special Report Limits or TRRP Report Rush Charges Authorized FEDEX UPS RCI STANDARD GC/MS Vol. 8260B / 624 GC/MS Semi. Vol. 8270C/625 PCB's 8082 / 608 NORM PLM (Asbestos) 24 hi Chloride X X X X TDS Chloride Sulfate 48 hr General Water Chemistry (see attached list) Anion/Cation Balance 72 hr of Hold

Received by	OCD: 1 elinquishe	2/18/2 elinquishe	020 11	:07:	20 AA	7.5				1	(LAB USE ONLY	LAB#	DOS-201	Comments:	Receiving Laboratory:	Invoice to:	Project Location: (county, state)	Project Name:	Client Name:	P P	age 67 of
	вby:	by:	morely .			S WEST & SIDEMALL	4 WEST 3 SIDEWALL	3 EAST 4 SIDEWALL	2 EAST 3 SIDEWALL	South & Siderall	<u> </u>				CARPINAL	EOG - James Kennedy	ion: Eddy Co, NM	: Wyatt BHT State #1	EOG		nalysis Request of Chain of Custody Record
	Date: Time:	Date: Time:	ינ									SAMPLE IDENTIFICATION				(ennedy		e #1		Tetra Tech, Inc.	ly Record
ORIGINAL COPY	Received by:	Received by:	биона			8 8 17	10/8/19	10/8/15	10/8/15	10/8/14	DATE TIME	YEAR: 2019	SAMPLING		Sampler Signature:		Project #:		Site Manager:		
	Date:	Daze:	Molecular !			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		×		×	WATER SOIL HCL HNO ₃	?	MATRIX PRESE		Conner Moehring		212C-MD-01817		Mike Carmona	901W Wall Street, Ste 100 Midland,Texas 79705 Tel (432) 682-4559 Fax (432) 682-3946	
	Time:	Time:	10-8-19 13:00	Tipo		-	× × ×	- 2	7		ICE None # CONT				ring		117			re 100 705 59 46	
(Circle) HAND DELIVERED	Corrected	Sample Temperature	ONLY			×	×	×	×	×	BTEX 80 TPH TX TPH 80 PAH 82 Total Me TCLP Me	1005 (15M (70C tals A etals A	(Ext to GRO - g As B Ag As B	DRO - 0	DRO - Pb Se	Hg		((Circle		
ED FEDEX UPS Tracking	Special Report Lin	Rush Charges Authorized	STANDARD								TCLP Vo TCLP Se RCI GC/MS \ GC/MS S PCB's 8	/ol. 8 Semi. 082 /	260B / Vol. 8 608		5				ANALYSIS REQUEST		
king #:	Special Report Limits or TRRP Report	thorized)			>	×	×	×	×	PLM (Asi Chloride Chloride General Anion/Ca	Sı Wate	ılfate r Chei		ee atta	ched li	st)		ST No.		Pageof
		=									Hold										f 2

Analytical Report 629639

for Tetra Tech- Midland

Project Manager: Clair Gonzales
EOG - Wyatt BHT State #1

11-JUL-19

Collected By: Client



1089 N Canal Street Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122): Texas (T104704215-19-29), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054) Oklahoma (2017-142)

> Xenco-Dallas (EPA Lab Code: TX01468): Texas (T104704295-19-19), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-18-14)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-19-20)
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-Atlanta (LELAP Lab ID #04176)
Xenco-Tampa: Florida (E87429), North Carolina (483)



11-JUL-19

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

Reference: XENCO Report No(s): 629639

EOG - Wyatt BHT State #1 Project Address: Eddy Co, 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) 629639. 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. 629639 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,

Jessica Kramer

Jessica Kramer

Project Assistant

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.

Certified and approved by numerous States and Agencies.

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Sample Cross Reference 629639

Tetra Tech- Midland, Midland, TX

EOG - Wyatt BHT State #1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
AH1 (0-1')	S	06-28-19 00:00	0 - 1 ft	629639-001
AH1 (1-1.5')	S	06-28-19 00:00	1 - 1.5 ft	629639-002
AH1 (2-2.5')	S	06-28-19 00:00	2 - 2.5 ft	629639-003
AH1 (3-3.5')	S	06-28-19 00:00	3 - 3.5 ft	629639-004
AH1 (4-4.5')	S	06-28-19 00:00	4 - 4.5 ft	629639-005
AH1 (5-5.5')	S	06-28-19 00:00	5 - 5.5 ft	629639-006
AH2 (0-1')	S	06-28-19 00:00	0 - 1 ft	629639-007
AH2 (1-1.5')	S	06-28-19 00:00	1 - 1.5 ft	629639-008
AH2 (2-2.5')	S	06-28-19 00:00	2 - 2.5 ft	629639-009
AH2 (3-3.5')	S	06-28-19 00:00	3 - 3.5 ft	629639-010
AH2 (4-4.5')	S	06-28-19 00:00	4 - 4.5 ft	629639-011
AH3 (0-1')	S	06-28-19 00:00	0 - 1 ft	629639-012
AH3 (1-1.5')	S	06-28-19 00:00	0 - 1 ft	629639-013
AH3 (2-2.5')	S	06-28-19 00:00	2 - 2.5 ft	629639-014
AH3 (3-3.5')	S	06-28-19 00:00	3 - 3.5 ft	629639-015
AH3 (4-4.5')	S	06-28-19 00:00	4 - 4.5 ft	629639-016
AH4 (0-1')	S	06-28-19 00:00	0 - 1 ft	629639-017
AH4 (1-1.5')	S	06-28-19 00:00	1 - 1.5	629639-018
AH4 (2-2.5')	S	06-28-19 00:00	2 - 2.5	629639-019
AH5 (0-1')	S	06-28-19 00:00	0 - 1	629639-020
AH5 (1-1.5')	S	06-28-19 00:00	1 - 1.5	629639-021
AH5 (2-2.5')	S	06-28-19 00:00	2 - 2.5	629639-022
AH5 (3-3.5')	S	06-28-19 00:00	3 - 3.5	629639-023

CASE NARRATIVE

Page 71 of 127

Client Name: Tetra Tech- Midland Project Name: EOG - Wyatt BHT State #1

Project ID:

Work Order Number(s): 629639

Report Date: 11-JUL-19 Date Received: 07/01/2019

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3094461 TPH By SW8015 Mod

Surrogate o-Terphenyl recovered below QC limits. Matrix interferences is suspected.

Samples affected are: 629639-018,629639-001.

Batch: LBA-3094810 BTEX by EPA 8021B

Soil samples were not received in Terracore kits and therefore were prepared by method 5030. Surrogate 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected; data

confirmed by re-analysis.

Samples affected are: 629639-020,629639-008,629639-007.

Batch: LBA-3094951 BTEX by EPA 8021B

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



Certificate of Analysis Summary 629639

Tetra Tech- Midland, Midland, TX Project Name: EOG - Wyatt BHT State #1

Project Id: Contact:

Clair Gonzales

Project Location:

Eddy Co, NM

Date Received in Lab: Mon Jul-01-19 12:50 pm

Report Date: 11-JUL-19

Project Manager: Jessica Kramer

	Lab Id:	629639-0	001	629639-0	02	629639-0	02	629639-0	104	629639-0	25	629639-0	106	
										629639-06 AH1 (4-4.				
Analysis Requested	Field Id:	(,		AH1 (1-1.5')		AH1 (2-2.	.5')	AH1 (3-3	AH1 (3-3.5')		5')	AH1 (5-5.5')		
Timesysta in questou	Depth:	0-1 ft		1-1.5 ft		2-2.5 ft		3-3.5 ft		4-4.5 ft		5-5.5 ft		
	Matrix:	SOIL		SOIL		SOIL		SOIL	SOIL		SOIL		SOIL	
	Sampled:	Jun-28-19 (00:00	Jun-28-19 0	00:00	Jun-28-19 0	0:00	Jun-28-19 (00:00	Jun-28-19 0	0:00	Jun-28-19 0	00:00	
BTEX by EPA 8021B	Extracted:	Jul-08-19 1	11:45	Jul-08-19 1	1:45									
SUB: T104704400-18-16	Analyzed:	Jul-09-19 04:04		Jul-09-19 04:26										
	Units/RL:	mg/kg	RL	mg/kg	RL									
Benzene		< 0.00200	0.00200	< 0.00201	0.00201									
Toluene		< 0.00200	0.00200	< 0.00201	0.00201									
Ethylbenzene		< 0.00200	0.00200	< 0.00201	0.00201									
m,p-Xylenes		< 0.00399	0.00399	< 0.00402	0.00402									
o-Xylene		< 0.00200	0.00200	< 0.00201	0.00201									
Total Xylenes		< 0.00200	0.00200	< 0.00201	0.00201									
Total BTEX		< 0.00200	0.00200	< 0.00201	0.00201									
Inorganic Anions by EPA 300/300.1	Extracted:	Jul-02-19 16:05		Jul-02-19 16:05		Jul-02-19 1	6:05	Jul-02-19 1	6:05	Jul-02-19 1	5:20	Jul-02-19 16:20		
SUB: T104704400-18-16	Analyzed:	Jul-02-19 23:05		Jul-02-19 23:12		Jul-02-19 23:20		Jul-02-19 23:27		Jul-03-19 00:10		Jul-03-19 00:32		
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	
Chloride		396	5.04	248	4.99	52.5	5.01	10.8	4.95	< 5.03	5.03	10.9	5.00	
TPH By SW8015 Mod	Extracted:	Jul-04-19 10:00		Jul-04-19 10:00										
SUB: T104704400-18-16	Analyzed:	Jul-05-19 (01:35	Jul-05-19 01:59										
	Units/RL:	mg/kg	RL	mg/kg	RL									
Gasoline Range Hydrocarbons (GRO)		<15.0	15.0	<14.9	14.9									
Diesel Range Organics (DRO)		29.1	15.0	<14.9	14.9									
Motor Oil Range Hydrocarbons (MRO)		<15.0	15.0	<14.9	14.9									
Total TPH		29.1	15.0	<14.9	14.9									

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Jessica Vermer



Certificate of Analysis Summary 629639

Tetra Tech- Midland, Midland, TX Project Name: EOG - Wyatt BHT State #1

Project Id:

Contact: Clair Gonzales

Project Location:

Eddy Co, NM

Date Received in Lab: Mon Jul-01-19 12:50 pm

Report Date: 11-JUL-19 **Project Manager:** Jessica Kramer

	Lab Id:	629639-0	007	629639-0	008	629639-0	09	629639-0	010	629639-0	011	629639-0	012
Analysis Dogwostod	Field Id:	AH2 (0-	1')	AH2 (1-1	.5')	AH2 (2-2	.5')	AH2 (3-3	.5')	AH2 (4-4	1.5')	AH3 (0-	1')
Analysis Requested	Depth:	0-1 ft		1-1.5 f	t	2-2.5 ft	t	3-3.5 f	t	4-4.5 f	ft	0-1 ft	
	Matrix:	SOIL		SOIL	,								
	Sampled:	Jun-28-19	00:00	Jun-28-19 (00:00	Jun-28-19 (00:00	Jun-28-19 (00:00	Jun-28-19	00:00	Jun-28-19	00:00
BTEX by EPA 8021B	Extracted:	Jul-08-19	11:45	Jul-08-19 1	1:45							Jul-08-19	11:45
SUB: T104704400-18-16	Analyzed:	Jul-09-19 (01:07	Jul-09-19 0	1:29							Jul-09-19 (04:48
	Units/RL:	mg/kg	RL	mg/kg	RL							mg/kg	RL
Benzene		0.136	0.101	0.101	0.100							< 0.00201	0.00201
Toluene		6.36	0.101	4.64	0.100							< 0.00201	0.00201
Ethylbenzene		6.63	0.101	5.20	0.100							< 0.00201	0.00201
m,p-Xylenes		31.7	0.201	24.3	0.200							< 0.00402	0.00402
o-Xylene		11.5	0.101	8.69	0.100							< 0.00201	0.00201
Total Xylenes		43.2	0.101	33.0	0.100							< 0.00201	0.00201
Total BTEX		56.3	0.101	42.9	0.100							< 0.00201	0.00201
Inorganic Anions by EPA 300/300.1	Extracted:	Jul-02-19	16:20	Jul-02-19 1	6:20	Jul-02-19 1	6:20	Jul-02-19 1	6:20	Jul-02-19 1	16:20	Jul-02-19	16:20
SUB: T104704400-18-16	Analyzed:	Jul-03-19 (00:39	Jul-03-19 0	0:47	Jul-03-19 0	0:54	Jul-03-19 0	1:16	Jul-03-19 (01:23	Jul-03-19 (01:30
	Units/RL:	mg/kg	RL										
Chloride		3310	24.8	4090	25.2	5150	25.0	940	5.01	1330	4.98	3740	25.3
TPH By SW8015 Mod	Extracted:	Jul-04-19	10:00	Jul-04-19 1	0:00		İ					Jul-04-19	10:00
SUB: T104704400-18-16	Analyzed:	Jul-05-19 (02:23	Jul-05-19 0	3:11							Jul-05-19 (03:35
	Units/RL:	mg/kg	RL	mg/kg	RL							mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		1700	15.0	1460	15.0							<15.0	15.0
Diesel Range Organics (DRO)		4970	15.0	4140	15.0							241	15.0
Motor Oil Range Hydrocarbons (MRO)		246	15.0	191	15.0							29.8	15.0
Total TPH		6920	15.0	5790	15.0							271	15.0

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Jessica Vramer

Jessica Kramer Project Assistant



Clair Gonzales

Eddy Co, NM

Project Id:

Project Location:

Contact:

Certificate of Analysis Summary 629639

Tetra Tech- Midland, Midland, TX

Project Name: EOG - Wyatt BHT State #1

· ·

Date Received in Lab: Mon Jul-01-19 12:50 pm **Report Date:** 11-JUL-19

Project Manager: Jessica Kramer

	Lab Id:	629639-0	013	629639-0	14	629639-0	15	629639-0	16	629639-0)17	629639-	018
Analysis Requested	Field Id:	AH3 (1-1	.5')	AH3 (2-2.	.5')	AH3 (3-3	.5')	AH3 (4-4.	5')	AH4 (0-	1')	AH4 (1-1	1.5')
Analysis Requesieu	Depth:	0-1 ft		2-2.5 ft		3-3.5 ft	:	4-4.5 ft		0-1 ft		1-1.5	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Jun-28-19 (00:00	Jun-28-19 0	00:00	Jun-28-19 0	00:00	Jun-28-19 0	0:00	Jun-28-19	00:00	Jun-28-19	00:00
BTEX by EPA 8021B	Extracted:	Jul-08-19 1	1:45							Jul-08-19 1	1:45	Jul-08-19	11:45
SUB: T104704400-18-16	Analyzed:	Jul-09-19 (05:10							Jul-09-19 (5:32	Jul-09-19 (05:54
	Units/RL:	mg/kg	RL							mg/kg	RL	mg/kg	RL
Benzene		< 0.00200	0.00200							< 0.00201	0.00201	< 0.00200	0.00200
Toluene		< 0.00200	0.00200							< 0.00201	0.00201	< 0.00200	0.00200
Ethylbenzene		< 0.00200	0.00200							< 0.00201	0.00201	< 0.00200	0.00200
m,p-Xylenes		< 0.00399	0.00399							< 0.00402	0.00402	< 0.00401	0.00401
o-Xylene		< 0.00200	0.00200							< 0.00201	0.00201	< 0.00200	0.00200
Total Xylenes		< 0.00200	0.00200							< 0.00201	0.00201	< 0.00200	0.00200
Total BTEX		< 0.00200	0.00200							< 0.00201	0.00201	< 0.00200	0.00200
Inorganic Anions by EPA 300/300.1	Extracted:	Jul-02-19 1	6:20	Jul-02-19 1	6:20	Jul-02-19 1	6:20	Jul-02-19 1	6:20	Jul-02-19 1	6:20	Jul-02-19	16:20
SUB: T104704400-18-16	Analyzed:	Jul-03-19 0	1:37	Jul-03-19 0	1:45	Jul-03-19 0	1:52	Jul-03-19 0	2:14	Jul-03-19 (2:21	Jul-03-19 (02:43
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		40.6	4.99	141	5.01	117	5.00	<4.95	4.95	388	4.98	170	5.04
TPH By SW8015 Mod	Extracted:	Jul-04-19 1	0:00				ĺ			Jul-04-19 1	0:00	Jul-04-19	10:00
SUB: T104704400-18-16	Analyzed:	Jul-05-19 (3:58							Jul-05-19 (04:22	Jul-05-19 (04:46
	Units/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
Diesel Range Organics (DRO)		52.9	15.0							57.1	14.9	30.7	15.0
Motor Oil Range Hydrocarbons (MRO)		<15.0	15.0							<14.9	14.9	<15.0	15.0
Total TPH		52.9	15.0							57.1	14.9	30.7	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



Clair Gonzales

Eddy Co, NM

Project Id:

Project Location:

Contact:

Certificate of Analysis Summary 629639

Tetra Tech- Midland, Midland, TX

Project Name: EOG - Wyatt BHT State #1

Date Received in Lab: Mon Jul-01-19 12:50 pm

Report Date: 11-JUL-19

Project Manager: Jessica Kramer

	Lab Id:	629639-0		629639-0	-	629639-0		629639-0)22	629639-0		ı	
Analysis Requested	Field Id:	AH4 (2-2	5')	AH5 (0-	1')	AH5 (1-1	.5')	AH5 (2-2	5')	AH5 (3-3.	5')	ı	
Timulysis Requesicu	Depth:	2-2.5		0-1		1-1.5		2-2.5		3-3.5		ı	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		ı	
	Sampled:	Jun-28-19 (00:00	Jun-28-19 (00:00	Jun-28-19 (00:00	Jun-28-19 (00:00	Jun-28-19 0	0:00	ı	
BTEX by EPA 8021B	Extracted:			Jul-08-19 1	1:45	Jul-08-19 1	2:20						
SUB: T104704400-18-16	Analyzed:			Jul-09-19 0	6:16	Jul-09-19 1	1:39						
	Units/RL:			mg/kg	RL	mg/kg	RL					1	
Benzene				< 0.00199	0.00199	< 0.00200	0.00200						
Toluene				< 0.00199	0.00199	< 0.00200	0.00200						
Ethylbenzene				0.00281	0.00199	< 0.00200	0.00200						
m,p-Xylenes				0.0233	0.00398	< 0.00399	0.00399					,	
o-Xylene				0.0146	0.00199		0.00200					,	
Total Xylenes				0.0379	0.00199	< 0.00200	0.00200					,	
Total BTEX				0.0407	0.00199	< 0.00200	0.00200						
Inorganic Anions by EPA 300/300.1	Extracted:	Jul-02-19	16:20	Jul-02-19 1	6:20	Jul-02-19 1	6:20	Jul-02-19 1	6:20	Jul-02-19 1	6:20		
SUB: T104704400-18-16	Analyzed:	Jul-03-19 ()2:50	Jul-03-19 0	2:57	Jul-03-19 0	3:04	Jul-03-19 0	3:12	Jul-03-19 03	3:19		
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	1	
Chloride		491	4.97	255	4.95	94.7	5.01	111	5.05	133	5.00		
TPH By SW8015 Mod	Extracted:			Jul-04-19 1	0:00	Jul-04-19 1	0:00						
SUB: T104704400-18-16	Analyzed:			Jul-05-19 0	5:10	Jul-05-19 0	5:34						
	Units/RL:			mg/kg	RL	mg/kg	RL					1	
Gasoline Range Hydrocarbons (GRO)				76.4	15.0	<15.0	15.0						
Diesel Range Organics (DRO)				743	15.0	154	15.0						
Motor Oil Range Hydrocarbons (MRO)				48.6	15.0	<15.0	15.0						
Total TPH				868	15.0	154	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.

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Flagging Criteria

- 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 Limit SDL Sample Detection Limit LOD Limit of Detection

PQL Practical Quantitation Limit MQL Method Quantitation Limit LOQ Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample BLK Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample BKSD/LCSD Blank Spike Duplicate/Laboratory 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



Project Name: EOG - Wyatt BHT State #1

Work Orders : 629639,

Lab Batch #: 3094461 Sample: 629639-001 / SMP

TPH By SW8015 Mod

Analytes

Project ID:

50.0

Matrix: Soil Batch:

Units:

mg/kg

Date Analyzed: 07/05/19 01:35

33	SU	RROGATE R	ECOVERY	STUDY	
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
	93.7	100	94	70-135	

Lab Batch #: 3094461

1-Chlorooctane o-Terphenyl

Sample: 629639-002 / SMP

Matrix: Soil

70-135

Units:

mg/kg

mg/kg	Date Analyzed: 07/05/19 01:59	SU	RROGATE RE	ECOVERY S	STUDY	
ТРН	By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
		116	99.6	116	70-135	
		40.7	49.8	82	70-135	

32.9

Lab Batch #: 3094461

1-Chlorooctane o-Terphenyl

Sample: 629639-007 / SMP

Batch:

Matrix: Soil

Date Analyzed: 07/05/19 02:23

Units:	mg/kg	Date Analyzed: 07/05/19 02:23	SU	RROGATE RI	ECOVERY S	STUDY	
	ТРН	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
		Analytes			[D]		
1-Chlorood	ctane		112	99.9	112	70-135	
o-Terphen	yl		59.3	50.0	119	70-135	

Lab Batch #: 3094461

Sample: 629639-008 / SMP

Batch:

Units:

Units:	mg/kg	Date Analyzed: 07/05/19 03:11	SU	RROGATE R	ECOVERY S	STUDY	
	ТРН	By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorood	ctane		108	99.8	108	70-135	
o-Terphen	yl		52.0	49.9	104	70-135	

Lab Batch #: 3094461

Sample: 629639-012 / SMP

Batch:

Matrix: Soil

Ilnite.

mg/kg

Date Analyzed: 07/05/19 03:35

Omts: mg/kg Date Analyzeu: 07/03/19 03	SU	RROGATE RI	ECOVERY	STUDY	
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1-Chlorooctane	101	99.7	101	70-135	
o-Terphenyl	38.8	49.9	78	70-135	

^{*} Surrogate outside of Laboratory QC limits

Surrogate Recovery [D] = 100 * A / B

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution



Project Name: EOG - Wyatt BHT State #1

Work Orders: 629639,

Lab Batch #: 3094461 Sample: 629639-013 / SMP **Project ID:**

Matrix: Soil Batch:

Units:

mg/kg

Date Analyzed: 07/05/19 03:58

SUPPOCATE RECOVERY STUDY

mg ng Dute imaigzeut 07/05/17 05:50	30.	KKUGAIE KI	COVERT	STUDI	
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1-Chlorooctane	113	100	113	70-135	
o-Terphenyl	37.6	50.0	75	70-135	

Lab Batch #: 3094461

Sample: 629639-017 / SMP

Batch: 1

Matrix: Soil

Units:

mg/kg

Date Analyzed: 07/05/19 04:22

SURROGATE RECOVERY STUDY **Amount** True Control TPH By SW8015 Mod Found Limits Amount Recovery Flags [A] [B] %R %R [D] **Analytes** 107 99.6 107 70-135 49.8 78 38.6 70-135

Lab Batch #: 3094461

1-Chlorooctane

o-Terphenyl

Sample: 629639-018 / SMP

Batch:

Matrix: Soil

Units:

mg/kg

Date Analyzed: 07/05/19 04:46

SURROGATE RECOVERY STUDY Amount True Control TPH By SW8015 Mod Limits Flags Found Amount Recovery %R [A] [B] %R [D] **Analytes** 1-Chlorooctane 111 99.9 111 70-135 33.6 50.0 67 70-135 **

Lab Batch #: 3094461

Sample: 629639-020 / SMP

Batch:

Matrix: Soil

Units:

o-Terphenyl

mg/kg

Date Analyzed: 07/05/19 05:10

SURROGATE RECOVERY STUDY Amount True Control TPH By SW8015 Mod Found Amount Recovery Limits **Flags** [B] %R %R [A] [D] **Analytes** 1-Chlorooctane 110 99.8 110 70-135 o-Terphenyl 47.4 49.9 95 70-135

Lab Batch #: 3094461

Sample: 629639-021 / SMP

Batch: 1 Matrix: Soil

Units:

Units:	mg/kg	Date Analyzed: 07/05/19 05:34	SU	RROGATE RI	ECOVERY S	STUDY	
	ТРН	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
		Analytes			[D]		
1-Chlorooc	ctane		116	99.7	116	70-135	
o-Terpheny	yl		40.0	49.9	80	70-135	

^{*} Surrogate outside of Laboratory QC limits

Surrogate Recovery [D] = 100 * A / B

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution

**

70-130

70-130



Form 2 - Surrogate Recoveries

Project Name: EOG - Wyatt BHT State #1

Work Orders: 629639,

Lab Batch #: 3094810 **Sample:** 629639-007 / SMP **Project ID:**

Matrix: Soil Batch:

Units:

mg/kg

Date Analyzed: 07/09/19 01:07

/kg	Date Analyzed: 07/09/19 01:07	SU	RROGATE RE	ECOVERY S	STUDY	
ВТЕ	X by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
	Analytes			[D]		
e		0.0261	0.0300	87	70-130	

1

0.0300

4-Bromofluorobenzene **Lab Batch #:** 3094810

1,4-Difluorobenzene

Sample: 629639-008 / SMP

Batch:

Matrix: Soil

191

Units:

mg/kg

Date Analyzed: 07/09/19 01:29

0.0573

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0265	0.0300	88	70-130	
4-Bromofluorobenzene	0.0519	0.0300	173	70-130	**

Lab Batch #: 3094810

Sample: 629639-001 / SMP

Batch:

Matrix: Soil

SURROGATE RECOVERY STUDY

Units:

mg/kg

Date Analyzed: 07/09/19 04:04

Amount True Control BTEX by EPA 8021B Limits Found Amount Recovery Flags [A] [B] %R %R [D] **Analytes** 1,4-Difluorobenzene 0.0285 0.0300 95 70-130 4-Bromofluorobenzene 0.0286 0.0300 95 70-130

Lab Batch #: 3094810

Sample: 629639-002 / SMP

Batch:

Matrix: Soil

Units:

mg/kg

Date Analyzed: 07/09/19 04:26

SURROGATE RECOVERY STUDY True Amount Control BTEX by EPA 8021B Found Amount Recovery Limits **Flags** [B] %R %R [A] **Analytes** [D] 0.0297 0.0300 99 70-130

4-Bromofluorobenzene Lab Batch #: 3094810

1,4-Difluorobenzene

Sample: 629639-012 / SMP

Batch: 1

0.0324

Matrix: Soil

108

0.0300

Units:

mg/kg

Units:	mg/kg	ECOVERY S	STUDY				
	ВТЕ	X by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
		Analytes			[D]		
1,4-Difluor	robenzene		0.0280	0.0300	93	70-130	
4-Bromoflu	uorobenzene		0.0340	0.0300	113	70-130	

^{*} Surrogate outside of Laboratory QC limits

Surrogate Recovery [D] = 100 * A / B

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution



Project Name: EOG - Wyatt BHT State #1

Work Orders: 629639,

Lab Batch #: 3094810 Sample: 629639-013 / SMP **Project ID:**

Matrix: Soil Batch:

Units:

mg/kg

Date Analyzed: 07/09/19 05:10

SU	RROGATE R	ECOVERY S	STUDY	
nount ound	True Amount	Recovery	Control Limits	F

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0282	0.0300	94	70-130	
4-Bromofluorobenzene	0.0331	0.0300	110	70-130	

Lab Batch #: 3094810

Sample: 629639-017 / SMP

Batch: 1

Matrix: Soil

Units:	mg/kg	g/kg Date Analyzed: 07/09/19 05:32 SURROGATE RECOVERY STUDY							
	вте	X by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags		
		Analytes			[D]				
1,4-Difluoroben	zene		0.0284	0.0300	95	70-130			
4-Bromofluorob	enzene		0.0326	0.0300	109	70-130			

Lab Batch #: 3094810

Sample: 629639-018 / SMP

Batch:

Matrix: Soil

Date Analyzed: 07/09/19 05:54

Units: mg/k	Date Analyzed: 07/09/19 05:54	SURROGATE RECOVERY STUDY						
	BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags		
	Analytes			[D]				
1,4-Difluorobenzene		0.0297	0.0300	99	70-130			
4-Bromofluorobenze	ne	0.0327	0.0300	109	70-130			

Lab Batch #: 3094810

Sample: 629639-020 / SMP

Batch:

Units: mg/kg Date Analyzed: 07/09/19 06:16 SURROGATE RECOVERY STUDY							
	BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags	
	Analytes			[D]			
1,4-Difluorobenzen	e	0.0282	0.0300	94	70-130		
4-Bromofluorobenz	ene	0.0437	0.0300	146	70-130	**	

Lab Batch #: 3094951

Sample: 629639-021 / SMP

Batch:

Matrix: Soil

Units:

mg/kg

Date Analyzed: 07/09/19 11:39

Omis. mg/kg Date Analyzed. 07/07/17 11.37	SURRUGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags	
Analytes	[44]	[2]	[D]	, , ,		
1,4-Difluorobenzene	0.0279	0.0300	93	70-130		
4-Bromofluorobenzene	0.0340	0.0300	113	70-130		

^{*} Surrogate outside of Laboratory QC limits

Surrogate Recovery [D] = 100 * A / B

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution



Batch:

Project Name: EOG - Wyatt BHT State #1

Work Orders: 629639,

Sample: 7681387-1-BLK / BLK

Project ID:

Matrix: Solid

Lab Batch #: 3094461 Units:

Units:	mg/kg	Date Analyzed: 07/04/19 20:45	SURROGATE RECOVERY STUDY					
TPH By SW8015 Mod Analytes		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags		
1-Chlorooc	tane	11mily ves	109	100	109	70-135		
o-Terpheny	/1		41.6	50.0	83	70-135		

Lab Batch #: 3094810

Sample: 7681533-1-BLK / BLK

Batch:

Matrix: Solid

Units:

mg/kg

te Analyzed • 07/08/19 10:28

Units: https://doi.org/10.28 SURROGATE RECOVERY STUDY								
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags			
Analytes			[D]					
1,4-Difluorobenzene	0.0273	0.0300	91	70-130				
4-Bromofluorobenzene	0.0286	0.0300	95	70-130				

Lab Batch #: 3094951

Sample: 7681537-1-BLK / BLK

Batch:

Matrix: Solid

Units:	mg/kg	Date Analyzed: 07/09/19 11:15	5 SURROGATE RECOVERY STUDY							
BTEX by EPA 8021B		Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags				
		Analytes			[D]					
1,4-Difluorobenzene			0.0266	0.0300	89	70-130				
4-Bromofluorobenzene			0.0302	0.0300	101	70-130				

Lab Batch #: 3094461

Sample: 7681387-1-BKS / BKS

Batch:

Matrix: Solid

Units:

mg/kg

Date Analyzed: 07/04/19 21:09

SURROGATE RECOVERY STUDY Amount True Control TPH By SW8015 Mod Found Amount Recovery Limits Flags [B] %R %R [A] [D] **Analytes** 111 100 111 70-135

o-Terphenyl Lab Batch #: 3094810

1-Chlorooctane

Sample: 7681533-1-BKS / BKS

Batch: 1 Matrix: Solid

110

70-135

50.0

Units:

mg/kg

Units:	mg/kg	Date Analyzed: 07/08/19 08:34	SURROGATE RECOVERY STUDY						
	BTE	X by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags		
		Analytes			[D]				
1,4-Difluor	robenzene		0.0280	0.0300	93	70-130			
4-Bromofle	uorobenzene		0.0317	0.0300	106	70-130			

55.2

Surrogate Recovery [D] = 100 * A / B

^{*} Surrogate outside of Laboratory QC limits

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution



Project Name: EOG - Wyatt BHT State #1

Work Orders: 629639,

Lab Batch #: 3094951

Sample: 7681537-1-BKS / BKS

Project ID:

Matrix: Solid Batch:

Units:

mg/kg

Date Analyzed: 07/09/19 09:13

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0260	0.0300	87	70-130	
4-Bromofluorobenzene	0.0324	0.0300	108	70-130	

Lab Batch #: 3094461

Sample: 7681387-1-BSD / BSD

Batch:

Matrix: Solid

Units:

mg/kg

Date Analyzed: 07/04/19 21:32

SURROGATE RECOVERY STUDY **Amount** True Control TPH By SW8015 Mod Found Limits Amount Recovery Flags [A] [B] %R %R [D] **Analytes** 103 100 103 70-135

48.5

Lab Batch #: 3094810

1-Chlorooctane

o-Terphenyl

Sample: 7681533-1-BSD / BSD

Batch:

Matrix: Solid

97

70-135

50.0

Units:

mg/kg

Date Analyzed: 07/08/19 08:56

SURROGATE RECOVERY STUDY Amount True Control BTEX by EPA 8021B Limits Found Amount Recovery Flags %R [A] [B] %R [D] **Analytes** 1,4-Difluorobenzene 0.0278 0.0300 93 70-130 4-Bromofluorobenzene 0.0308 0.0300 103 70-130

Lab Batch #: 3094951

Sample: 7681537-1-BSD / BSD

Batch:

Matrix: Solid

mg/kg

Units:	mg/kg	Date Analyzed: 07/09/19 09:36	SURROGATE RECOVERY STUDY								
	BTE	X by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags				
1,4-Difluoro	benzene		0.0269	0.0300	90	70-130					
4-Bromofluo	orobenzene		0.0313	0.0300	104	70-130					

Lab Batch #: 3094461

Sample: 629498-001 S / MS

Batch:

Matrix: Soil

SURROGATE RECOVERY STUDY

Units:

mg/kg

Date Analyzed: 07/04/19 22:20

TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags				
Analytes			[D]						
1-Chlorooctane	103	99.7	103	70-135					
o-Terphenyl	39.4	49.9	79	70-135					

^{*} Surrogate outside of Laboratory QC limits

Surrogate Recovery [D] = 100 * A / B

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution



Project Name: EOG - Wyatt BHT State #1

Work Orders: 629639,

Lab Batch #: 3094810 **Sample:** 629496-023 S / MS **Project ID:**

Matrix: Soil Batch:

Units:

mg/kg

Date Analyzed: 07/08/19 09:18

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1,4-Difluorobenzene	0.0295	0.0300	98	70-130	
4-Bromofluorobenzene	0.0356	0.0300	119	70-130	

Lab Batch #: 3094951

Sample: 629639-021 S / MS

Batch: 1

Matrix: Soil

Units:

mg/kg

Units:	mg/kg	Date Analyzed: 07/09/19 09:59	SURROGATE RECOVERY STUDY									
	ВТЕ	X by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags					
		Analytes			[D]							
1,4-Difluoro	benzene		0.0277	0.0300	92	70-130						
4-Bromofluo	orobenzene		0.0336	0.0300	112	70-130						

Lab Batch #: 3094461

Sample: 629498-001 SD / MSD

Batch: 1

Matrix: Soil

Units:

mg/kg

Date Analyzed: 07/04/19 22:44

ng/kg	Date Analyzed: 07/04/19 22:44	SURROGATE RECOVERY STUDY								
TPH	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags				
	Analytes			[D]						
		102	99.8	102	70-135					
		38.1	49.9	76	70-135					

Lab Batch #: 3094810

1-Chlorooctane o-Terphenyl

Sample: 629496-023 SD / MSD

Batch:

Matrix: Soil

Units: mg/kg	Date Analyzed: 07/08/19 09:40	SURROGATE RECOVERY STUDY								
	EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags				
All	alytes			[2]						
1,4-Difluorobenzene	,	0.0304	0.0300	101	70-130					
4-Bromofluorobenzene		0.0361	0.0300	120	70-130					

Lab Batch #: 3094951

Sample: 629639-021 SD / MSD

Batch: Matrix: Soil

Units:

ma/ka

Date Analyzed: 07/09/19 10:22

Units: ing	Date Analyzeu: 07/09/19 10.22	SURROGATE RECOVERY STUDY									
	BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags					
	Analytes			[D]							
1,4-Difluorobenzen	e	0.0277	0.0300	92	70-130						
4-Bromofluorobenz	ene	0.0342	0.0300	114	70-130						

^{*} Surrogate outside of Laboratory QC limits

Surrogate Recovery [D] = 100 * A / B

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution

BS / BSD Recoveries



Page 84 of 127

Project Name: EOG - Wyatt BHT State #1

Work Order #: 629639

Project ID:

Analyst: FOV

Date Prepared: 07/08/2019

Date Analyzed: 07/08/2019

Lab Batch ID: 3094810

Sample: 7681533-1-BKS

Batch #: 1 Matrix: Solid

Units:

mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B	Blank Sample Result [A]	Spike Added	Blank Spike Result	Blank Spike %R	Spike Added	Blank Spike Duplicate	Blk. Spk Dup. %R	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes		[B]	[C]	[D]	[E]	Result [F]	[G]				
Benzene	< 0.00200	0.0998	0.0919	92	0.0994	0.0879	88	4	70-130	35	
Toluene	< 0.00200	0.0998	0.0899	90	0.0994	0.0873	88	3	70-130	35	
Ethylbenzene	< 0.00200	0.0998	0.101	101	0.0994	0.0952	96	6	70-130	35	
m,p-Xylenes	< 0.00399	0.200	0.201	101	0.199	0.191	96	5	70-130	35	
o-Xylene	< 0.00200	0.0998	0.0960	96	0.0994	0.0914	92	5	70-130	35	

Analyst:

AMB

Date Prepared: 07/08/2019

Date Analyzed: 07/09/2019

Lab Batch ID: 3094951

Sample: 7681537-1-BKS

Batch #: 1

Matrix: Solid

Units:

mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	< 0.00199	0.0996	0.0778	78	0.100	0.0883	88	13	70-130	35	
Toluene	< 0.000454	0.0996	0.0955	96	0.100	0.104	104	9	70-130	35	
Ethylbenzene	<0.00199	0.0996	0.109	109	0.100	0.116	116	6	70-130	35	
m,p-Xylenes	< 0.00101	0.199	0.215	108	0.201	0.229	114	6	70-130	35	
o-Xylene	0.000750	0.0996	0.102	102	0.100	0.109	109	7	70-130	35	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)| Blank Spike Recovery [D] = 100*(C)/[B]Blank Spike Duplicate Recovery [G] = 100*(F)/[E]All results are based on MDL and Validated for QC Purposes

BS / BSD Recoveries



Page 85 of 127

Project Name: EOG - Wyatt BHT State #1

Work Order #: 629639

Project ID:

Analyst:

CHE

Date Prepared: 07/02/2019

Date Analyzed: 07/02/2019

Lab Batch ID: 3094282

Sample: 7681269-1-BKS

Batch #: 1

Matrix: Solid

Units:

mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

				<u> </u>	1	<u> </u>	I			I	
Inorganic Anions by EPA 300/300.1	Blank Sample Result [A]	Spike Added	Blank Spike Result	Blank Spike %R	Spike Added	Blank Spike Duplicate	Blk. Spk Dup. %R	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes		[B]	[C]	[D]	[E]	Result [F]	[G]				
Chloride	< 5.00	250	247	99	250	247	99	0	90-110	20	

Analyst:

CHE

Date Prepared: 07/02/2019

Date Analyzed: 07/02/2019

Lab Batch ID: 3094285

Sample: 7681270-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

Inorganic Anions by EPA 300/300.1 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	< 0.858	250	252	101	250	252	101	0	90-110	20	

Analyst:

ARM

Date Prepared: 07/04/2019

Date Analyzed: 07/04/2019

Lab Batch ID: 3094461

Sample: 7681387-1-BKS

Batch #: 1

Matrix: Solid

Units:

mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Gasoline Range Hydrocarbons (GRO)	<8.00	1000	1180	118	1000	1100	110	7	70-135	20	
Diesel Range Organics (DRO)	<8.13	1000	1190	119	1000	1150	115	3	70-135	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)| Blank Spike Recovery [D] = 100*(C)/[B]Blank Spike Duplicate Recovery [G] = 100*(F)/[E]All results are based on MDL and Validated for QC Purposes



Form 3 - MS / MSD Recoveries

Project Name: EOG - Wyatt BHT State #1

Work Order #:

629639

Project ID:

Lab Batch ID:

3094810

QC- Sample ID: 629496-023 S

Batch #:

Matrix: Soil

Date Analyzed:

07/08/2019

Date Prepared: 07/08/2019

Analyst: FOV

Reporting Units:

mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.00199	0.0996	0.0823	83	0.100	0.0834	83	1	70-130	35	
Toluene	< 0.00199	0.0996	0.0820	82	0.100	0.0796	80	3	70-130	35	
Ethylbenzene	< 0.00199	0.0996	0.0912	92	0.100	0.0897	90	2	70-130	35	
m,p-Xylenes	< 0.00398	0.199	0.181	91	0.201	0.180	90	1	70-130	35	
o-Xylene	< 0.00199	0.0996	0.0872	88	0.100	0.0884	88	1	70-130	35	

Lab Batch ID:

3094951

QC- Sample ID: 629639-021 S

Batch #:

Matrix: Soil

Date Analyzed:

07/09/2019

Date Prepared: 07/08/2019

Analyst: AMB

Reporting Units:

mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B	Parent Sample Result	Spike Added	Spiked Sample Result [C]	Spiked Sample %R	Spike Added	Duplicate Spiked Sample Result [F]	Spiked Dup. %R	RPD	Control Limits %R	Control Limits %RPD	Flag
Analytes	[A]	[B]	[0]	[D]	[E]	result [1]	[G]	, •	7011	/ VIAI D	
Benzene	< 0.00201	0.101	0.0791	78	0.0994	0.0789	79	0	70-130	35	
Toluene	< 0.000458	0.101	0.0828	82	0.0994	0.0829	83	0	70-130	35	
Ethylbenzene	< 0.00201	0.101	0.0812	80	0.0994	0.0864	87	6	70-130	35	
m,p-Xylenes	< 0.00102	0.201	0.143	71	0.199	0.149	75	4	70-130	35	
o-Xylene	< 0.000346	0.101	0.0802	79	0.0994	0.0826	83	3	70-130	35	

Received by OCD: 12/18/2020/14:07:20/AM XENCO LABORATORIES

Form 3 - MS / MSD Recoveries

Project Name: EOG - Wyatt BHT State #1

Work Order #:

629639

Project ID:

Lab Batch ID:

3094282

194282

QC- Sample ID: 629602-009 S

Batch #:

Matrix: Soil

Date Analyzed:

07/02/2019

Date Prepared: 07/02/2019

Analyst: CHE

Reporting Units:

mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	103	249	349	99	249	350	99	0	90-110	20	

Lab Batch ID:

3094282

QC- Sample ID: 629705-002 S

Batch #: 1

Matrix: Soil

Date Analyzed:

07/02/2019

Date Prepared: 07/02/2019

Analyst: CHE

Reporting Units:

mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
v .				. ,			1				
Chloride	374	250	590	86	250	593	88	1	90-110	20	X

Lab Batch ID:

3094285

QC- Sample ID: 629639-005 S

Batch #:

Matrix: Soil

Date Analyzed:

07/03/2019

Date Prepared: 07/02/2019

Analyst: CHE

Reporting Units:

mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

1

Inorganic Anions by EPA 300/300.1	Parent Sample	Spike	Spiked Sample Result	Sample		Duplicate Spiked Sample	. 1	RPD	Control Limits	Control Limits	Flag
Analytes	Result [A]	Added [B]	[C]	%R [D]	Added [E]	Result [F]	%R [G]	%	%R	%RPD	
Chloride	< 0.864	252	253	100	252	254	101	0	90-110	20	



Project Name: EOG - Wyatt BHT State #1

Work Order #:

629639

QC- Sample ID: 629639-015 S

Batch #:

Matrix: Soil

Project ID:

Page 88 of 127

Lab Batch ID: Date Analyzed: 3094285 07/03/2019

Date Prepared: 07/02/2019

Analyst: CHE

Reporting Units:

mg/kg

Analyst. Cili

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	117	250	368	100	250	367	100	0	90-110	20	

Lab Batch ID:

3094461

mg/kg

QC- Sample ID: 629498-001 S

Batch #:

Matrix: Soil

Date Analyzed: Reporting Units: 07/04/2019

Date Prepared: 07/04/2019

Analyst: ARM

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Gasoline Range Hydrocarbons (GRO)	9.21	997	1180	117	998	1190	118	1	70-135	20	
Diesel Range Organics (DRO)	13.6	997	1080	107	998	1050	104	3	70-135	20	

	nquished by: Date: Time:	Care. IIIIe:	2	inquished by: Date: Time:	AH2 (2-2.5°)	AH2 (1-1.5')	A42 (0-1)	AH2 (~- ~ ~!)		A47 / 2-3 51)	47 (2-2	エー	ONLY A A A A C C C C C C C C C C C C C C C	LAB # SAMPLE IDENTIFICATION		0x coods 50 mg/kg or it TPH	1 enco	Receiving Laboratory: V Samcs Kennady &	Eddy Co, NM	Wyatt 13HT Sta-	200)
	Received by: Date: Time:		7/1/19 12:50									X X	DATE TIME WATEF SOIL HCL HNO3 ICE None # CONTA	MINER	_	t ax coods 100mg/Kg or BTEX	sampler signature: Tony Loyorda		Project #: 212 C-MD-01817	6	Site Manager: Clair Gonzales	
(Circle) HAND DELIVERED PEDERY LIDO	Rush Charges Authorized Special Report Limits or TRRP Report	Sample Temperature RUSH: Same Day 24 hr 48 hr 72 hr	ONLY STANDARD	**		XX		X	×	X		×	BTEX 803 TPH TX11 TPH 8015 PAH 8270 Total Meta TCLP Vola TCLP Sen RCI GC/MS Vo GC/MS Se PCB's 808 NORM PLM (Asbe Chloride Chloride General W Anion/Cati	OOS (E (E OOS (As Baselitiles 608 / 6 82 As Baselitiles	DRO - O Cd Cr P a Cd Cr F	b Se H	g g g g		(Circle or specify Method No.)	ANALYSIS REQUEST	

	A linquished by:						Project Location: (county, state) Invoice to: Receiving Laboratory: Comments: OX Cocd 5 LAB # LAB USE ONLY		Page
19	110	10 7 7 1	#3 (3-3	+ 2 () - 1 C	2000	12 1	Eddy CO, NM OCT - James Kenr X enco deeper sample if 50 mg/kg or if somg/kg or if	VVA++ BHT S+a-	
Received by:	Received by:					6/28/19	Project #: 21 Odd Sampler Signature OAX COCA SAMPLING S	Site Manager:	
						×	THIX PRESERVY METHON	in Gonzales	901W Wall Street, Ste 100 Mulland,Texas 79705 Tel (422) 682-4559 Fax (432) 682-3946
LAB USE ONLY Sample Temperatur	X X	×				Z	TEX 8021B BTEX 8260B PH TX1005 (Ext to C35) PH 8015M (GRO - DRO - ORO - MRO) AH 8270C	(Ci	
REMARKS: STANDARD RUSH: Same Day 24 hr	XXX	**	××	X	X	×	CLP Metals Ag As Ba Cd Cr Pb Se Hg CLP Volatiles CLP Semi Volatiles CI C/MS Vol. 8260B / 624 C/MS Semi. Vol. 8270C/625 CB's 8082 / 608 DRM .M (Asbestos)	ANALYSIS REQUEST rcle or Specify Method No.	
	Date: Time: Received by: Date: Time: Sample Temperature Sample Temperature REMARKS: REMARKS: Date: Time: Sample Temperature REMARKS: Sample T	A H 4 (2-2.5') A H 5 (0-1') Date: Time: Received by: Date: Time: Sample Temperature Date: Time: Sample Temperature Date: Time: A H Y (0-1') A H Y (1-1.5') A H Y (2-2.5') A H S (0-1') A H S (0-1') Date: Time: Peccived by: Date: Time: Peccived by: Date: Time: Date: Time: Date: Time: Peccived by: Date: Time: Date: Time: Date: Time: Peccived by: Date: Time: Date:	AH3 (3-3.5') AH4 (0-1') AH4 (1-1.5') AH4 (2-2.5') AH4 (2-2.5') AH4 (2-2.5') AH4 (2-2.5') AH5 (O-1') Bate: Time: Pacelved by: Date: Time: Conty Date: Time: Date: Time: Date: Time: Page And	A H 3 (2-2.5') A H 3 (3-3.5') A H 4 (0-1') A H 4 (1-1.5') A H 4 (2-2.5') A H 5 (0-1') Date: Time: Received by: Date: Time: LAB USE REMARKS: No NLY NUSH: Same Day	AH3 (1-1.5') AH3 (2-2.5') AH4 (0-1') AH4 (1-1.5') AH4 (1-1.5') AH4 (1-1.5') AH4 (2-2.5') AH4 (2-2.5') AH4 (2-2.5') AH4 (2-2.5') AH5 (0-1') Date: Time: Peccived by: Date: Time: Date: Time: Date: Time: LAB USE REMARKS: ONLY Sample Temperature PRUSH: Sample Temperature PRUSH: Sample Day	AH 3 (0-1') AH 3 (1-1.5') AH 3 (1-1.5') AH 4 (0-1') AH 4 (1-1.5') AH 4 (1-1.5') AH 4 (1-1.5') AH 5 (0-1') AH 7 (1-1.5') AH 9 (1-1.5'	Date: Time: Date:	ANALYSIS REQUEE TO MY ATT STATE SAMPLING MATRIX MA	

by OCD: 12/18/2	11:07:20 Wetter by:	LAB #	Project Location: (county, state) Invoice to: Receiving Laboratory: Comments: O X Coods	Project Name:
Date: Time:	2	AHS (1-1.5') AHS (2-2.5') AHS (3-3.5')	Eddy CO, NM OCT - Samcs Kennudy & Xenco deeper sample if benzer 50 mg/Kg or if TPF	Tetra Tech,
Received by:	Received by:	SAMPLING TIME	Project #: 21 Todd Sampler Signature: A x cocd Ax cocd	nager:
Date: Time: Date: Time:	3	WATER WATER SOIL HCL HNO ₃ ICE None # CONTAINERS FILTERED (Y/N)	Wells Tony Layorda s long/kg or 18 TE,	901W Wall Street, Sie 100 Midland, Texas: 79705 Tel (432) 682-4559 Fax (432) 682-3946 A:N GONZA(CS
Sample Temperature	LAB USE RI	BTEX 8021B BTE TPH TX1005 (Ext to TPH 8015M (GRO- PAH 8270C Total Metals Ag As Batter of the second of the sec	DRO - ORO - MRO)	(Circle
RUSH: Same Day 24 hr 48 hr 72 hr Rush Charges Authorized Special Report Limits or TRRP Report	XXXXX	Chloride Sulfate	TDS nistry (see attached list)	ANALYSIS REQUEST

Inter-Office Shipment



Page 1 of 2

IOS Number 42630

Date/Time: 07/01/19 15:22 Created by: Elizabeth Mcclellan Please send report to: Jessica Kramer

Lab# From: Carlsbad Delivery Priority: Address: 1089 N Canal Street

Lab# To: **Midland** Air Bill No.: 775613045113 E-Mail: jessica.kramer@xenco.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
629639-001	S	AH1 (0-1')	06/28/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	07/08/19	07/12/19	JKR	PHCC10C28 PHCC28C351	
629639-001	S	AH1 (0-1')	06/28/19 00:00	E300	Inorganic Anions by EPA 300/300.1	07/08/19	07/26/19	JKR	CL F NO2N NO3N SO4	
629639-001	S	AH1 (0-1')	06/28/19 00:00	SW8021B	BTEX by EPA 8021B	07/08/19	07/12/19	JKR	BR4FBZ BZ BZME EBZ X	
629639-002	S	AH1 (1-1.5')	06/28/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	07/08/19	07/12/19	JKR	PHCC10C28 PHCC28C35	
629639-002	S	AH1 (1-1.5')	06/28/19 00:00	E300	Inorganic Anions by EPA 300/300.1	07/08/19	07/26/19	JKR	CL F NO2N NO3N SO4	
629639-002	S	AH1 (1-1.5')	06/28/19 00:00	SW8021B	BTEX by EPA 8021B	07/08/19	07/12/19	JKR	BR4FBZ BZ BZME EBZ X	
629639-003	S	AH1 (2-2.5')	06/28/19 00:00	E300	Inorganic Anions by EPA 300/300.1	07/08/19	07/26/19	JKR	CL F NO2N NO3N SO4	
629639-004	S	AH1 (3-3.5')	06/28/19 00:00	E300	Inorganic Anions by EPA 300/300.1	07/08/19	07/26/19	JKR	CL F NO2N NO3N SO4	
629639-005	S	AH1 (4-4.5')	06/28/19 00:00	E300	Inorganic Anions by EPA 300/300.1	07/08/19	07/26/19	JKR	CL F NO2N NO3N SO4	
629639-006	S	AH1 (5-5.5')	06/28/19 00:00	E300	Inorganic Anions by EPA 300/300.1	07/08/19	07/26/19	JKR	CL F NO2N NO3N SO4	
629639-007	S	AH2 (0-1')	06/28/19 00:00	E300	Inorganic Anions by EPA 300/300.1	07/08/19	07/26/19	JKR	CL F NO2N NO3N SO4	
629639-007	S	AH2 (0-1')	06/28/19 00:00	SW8021B	BTEX by EPA 8021B	07/08/19	07/12/19	JKR	BR4FBZ BZ BZME EBZ X	
629639-007	S	AH2 (0-1')	06/28/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	07/08/19	07/12/19	JKR	PHCC10C28 PHCC28C35	
629639-008	S	AH2 (1-1.5')	06/28/19 00:00	E300	Inorganic Anions by EPA 300/300.1	07/08/19	07/26/19	JKR	CL F NO2N NO3N SO4	
629639-008	S	AH2 (1-1.5')	06/28/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	07/08/19	07/12/19	JKR	PHCC10C28 PHCC28C35	
629639-008	S	AH2 (1-1.5')	06/28/19 00:00	SW8021B	BTEX by EPA 8021B	07/08/19	07/12/19	JKR	BR4FBZ BZ BZME EBZ X	
629639-009	S	AH2 (2-2.5')	06/28/19 00:00	E300	Inorganic Anions by EPA 300/300.1	07/08/19	07/26/19	JKR	CL F NO2N NO3N SO4	
629639-010	S	AH2 (3-3.5')	06/28/19 00:00	E300	Inorganic Anions by EPA 300/300.1	07/08/19	07/26/19	JKR	CL F NO2N NO3N SO4	
629639-011	S	AH2 (4-4.5')	06/28/19 00:00	E300	Inorganic Anions by EPA 300/300.1	07/08/19	07/26/19	JKR	CL F NO2N NO3N SO4	
629639-012	S	AH3 (0-1')	06/28/19 00:00	SW8021B	BTEX by EPA 8021B	07/08/19	07/12/19	JKR	BR4FBZ BZ BZME EBZ X	
629639-012	S	AH3 (0-1')	06/28/19 00:00	E300	Inorganic Anions by EPA 300/300.1	07/08/19	07/26/19	JKR	CL F NO2N NO3N SO4	
629639-012	S	AH3 (0-1')	06/28/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	07/08/19	07/12/19	JKR	PHCC10C28 PHCC28C35	
629639-013	S	AH3 (1-1.5')	06/28/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	07/08/19	07/12/19	JKR	PHCC10C28 PHCC28C35	
629639-013	S	AH3 (1-1.5')	06/28/19 00:00	E300	Inorganic Anions by EPA 300/300.1	07/08/19	07/26/19	JKR	CL F NO2N NO3N SO4	
629639-013	S	AH3 (1-1.5')	06/28/19 00:00	SW8021B	BTEX by EPA 8021B	07/08/19	07/12/19	JKR	BR4FBZ BZ BZME EBZ X	

Inter-Office Shipment



Page 2 of 2

IOS Number 42630

Date/Time: 07/01/19 15:22

Created by: Elizabeth Mcclellan

Please send report to:

Jessica Kramer

Lab# From: Carlsbad

Delivery Priority:

Address: 1089 N Canal Street

Lab# To: Midland

Air Bill No.: 775613045113

E-Mail: jessica.kramer@xenco.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name Lab Due HT Due PM		Analytes	Sign		
629639-014	S	AH3 (2-2.5')	06/28/19 00:00	E300	Inorganic Anions by EPA 300/300.1	07/08/19	07/26/19	JKR	CL F NO2N NO3N SO4	
629639-015	S	AH3 (3-3.5')	06/28/19 00:00	E300	Inorganic Anions by EPA 300/300.1	07/08/19	07/26/19	JKR	CL F NO2N NO3N SO4	
629639-016	S	AH3 (4-4.5')	06/28/19 00:00	E300	Inorganic Anions by EPA 300/300.1	07/08/19	07/26/19	JKR	CL F NO2N NO3N SO4	
629639-017	S	AH4 (0-1')	06/28/19 00:00	SW8021B	BTEX by EPA 8021B	07/08/19	07/12/19	JKR	BR4FBZ BZ BZME EBZ X	
629639-017	S	AH4 (0-1')	06/28/19 00:00	E300	Inorganic Anions by EPA 300/300.1	07/08/19	07/26/19	JKR	CL F NO2N NO3N SO4	
629639-017	S	AH4 (0-1')	06/28/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	07/08/19	07/12/19	JKR	PHCC10C28 PHCC28C351	
629639-018	S	AH4 (1-1.5')	06/28/19 00:00	SW8021B	BTEX by EPA 8021B	07/08/19	07/12/19	JKR	BR4FBZ BZ BZME EBZ X	
629639-018	S	AH4 (1-1.5')	06/28/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	07/08/19	07/12/19	JKR	PHCC10C28 PHCC28C351	
629639-018	S	AH4 (1-1.5')	06/28/19 00:00	E300	Inorganic Anions by EPA 300/300.1	07/08/19	07/26/19	JKR	CL F NO2N NO3N SO4	
629639-019	S	AH4 (2-2.5')	06/28/19 00:00	E300	Inorganic Anions by EPA 300/300.1	07/08/19	07/26/19	JKR	CL F NO2N NO3N SO4	
629639-020	S	AH5 (0-1')	06/28/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	07/08/19	07/12/19	JKR	PHCC10C28 PHCC28C351	
629639-020	S	AH5 (0-1')	06/28/19 00:00	SW8021B	BTEX by EPA 8021B	07/08/19	07/12/19	JKR	BR4FBZ BZ BZME EBZ X	
629639-020	S	AH5 (0-1')	06/28/19 00:00	E300	Inorganic Anions by EPA 300/300.1	07/08/19	07/26/19	JKR	CL F NO2N NO3N SO4	
629639-021	S	AH5 (1-1.5')	06/28/19 00:00	SW8021B	BTEX by EPA 8021B	07/08/19	07/12/19	JKR	BR4FBZ BZ BZME EBZ X	
629639-021	S	AH5 (1-1.5')	06/28/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	07/08/19	07/12/19	JKR	PHCC10C28 PHCC28C351	
629639-021	S	AH5 (1-1.5')	06/28/19 00:00	E300	Inorganic Anions by EPA 300/300.1	07/08/19	07/26/19	JKR	CL F NO2N NO3N SO4	
629639-022	S	AH5 (2-2.5')	06/28/19 00:00	E300	Inorganic Anions by EPA 300/300.1	07/08/19	07/26/19	JKR	CL F NO2N NO3N SO4	
629639-023	S	AH5 (3-3.5')	06/28/19 00:00	E300	Inorganic Anions by EPA 300/300.1	07/08/19	07/26/19	JKR	CL F NO2N NO3N SO4	

Inter Office Shipment or Sample Comments:

Relinquished By:

Elizabeth McClellan

Date Relinquished: <u>07/01/2019</u>

Received By:

Brianna Teel

Date Received: <u>07/02/2019 12:14</u>

Cooler Temperature: 0.6

Received by OCD: 12/18/2020/14:07020/AM

XENCO Laboratories

Inter Office Report- Sample Receipt Checklist

Sent To: Midland IOS #: 42630

Contact:

Acceptable Temperature Range: 0 - 6 degC Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used: R8

		Sample Rec	aint Chacklist
Received By:	Brianna Teel	Date Received:	07/02/2019 12:14 PM
Sent By:	Elizabeth McClellan	Date Sent:	07/01/2019 03:22 PM

Received By: Brianna Teel	Date Received: 07/02/2019	9 12:14 PM	
	Sample Receipt Chec	cklist	Comments
#1 *Temperature of cooler(s)?		.6	
#2 *Shipping container in good con	ndition?	Yes	
#3 *Samples received with approp	riate temperature?	Yes	
#4 *Custody Seals intact on shippi	ng container/ cooler?	Yes	
#5 *Custody Seals Signed and dat	ed for Containers/coolers	Yes	
#6 *IOS present?		Yes	
#7 Any missing/extra samples?		No	
#8 IOS agrees with sample label(s)/matrix?	Yes	
#9 Sample matrix/ properties agre-	e with IOS?	Yes	
#10 Samples in proper container/	pottle?	Yes	
#11 Samples properly preserved?		Yes	
#12 Sample container(s) intact?		Yes	
#13 Sufficient sample amount for i	ndicated test(s)?	Yes	
#14 All samples received within ho	old time?	Yes	
* Must be completed for after-hou	rs delivery of samples prior to p	placing in the refrigerator	
NonConformance:			
Corrective Action Taken:			
	Nonconformance Dod	cumentation	

Checklist reviewed by:	Brima Tol	Date: 07/02/2019
	Brianna Teel	

Contacted by:

Date:

Analytical Report 629639

for Tetra Tech- Midland

Project Manager: Clair Gonzales EOG - Wyatt BHT State #1

16-JUL-19

Collected By: Client



1089 N Canal Street Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122): Texas (T104704215-19-29), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054) Oklahoma (2017-142)

> Xenco-Dallas (EPA Lab Code: TX01468): Texas (T104704295-19-19), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-18-14)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-19-20)
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-Atlanta (LELAP Lab ID #04176)
Xenco-Tampa: Florida (E87429), North Carolina (483)



16-JUL-19

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

Reference: XENCO Report No(s): 629639

EOG - Wyatt BHT State #1 Project Address: Eddy Co, 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) 629639. 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. 629639 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,

Jessica Kramer

Jessica Kramer

Project Assistant

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.

Certified and approved by numerous States and Agencies.

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Sample Cross Reference 629639

Tetra Tech- Midland, Midland, TX

EOG - Wyatt BHT State #1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
AH1 (0-1')	S	06-28-19 00:00	0 - 1 ft	629639-001
AH1 (1-1.5')	S	06-28-19 00:00	1 - 1.5 ft	629639-002
AH1 (2-2.5')	S	06-28-19 00:00	2 - 2.5 ft	629639-003
AH1 (3-3.5')	S	06-28-19 00:00	3 - 3.5 ft	629639-004
AH1 (4-4.5')	S	06-28-19 00:00	4 - 4.5 ft	629639-005
AH1 (5-5.5')	S	06-28-19 00:00	5 - 5.5 ft	629639-006
AH2 (0-1')	S	06-28-19 00:00	0 - 1 ft	629639-007
AH2 (1-1.5')	S	06-28-19 00:00	1 - 1.5 ft	629639-008
AH2 (2-2.5')	S	06-28-19 00:00	2 - 2.5 ft	629639-009
AH2 (3-3.5')	S	06-28-19 00:00	3 - 3.5 ft	629639-010
AH2 (4-4.5')	S	06-28-19 00:00	4 - 4.5 ft	629639-011
AH3 (0-1')	S	06-28-19 00:00	0 - 1 ft	629639-012
AH3 (1-1.5')	S	06-28-19 00:00	0 - 1 ft	629639-013
AH3 (2-2.5')	S	06-28-19 00:00	2 - 2.5 ft	629639-014
AH3 (3-3.5')	S	06-28-19 00:00	3 - 3.5 ft	629639-015
AH3 (4-4.5')	S	06-28-19 00:00	4 - 4.5 ft	629639-016
AH4 (0-1')	S	06-28-19 00:00	0 - 1 ft	629639-017
AH4 (1-1.5')	S	06-28-19 00:00	1 - 1.5	629639-018
AH4 (2-2.5')	S	06-28-19 00:00	2 - 2.5	629639-019
AH5 (0-1')	S	06-28-19 00:00	0 - 1	629639-020
AH5 (1-1.5')	S	06-28-19 00:00	1 - 1.5	629639-021
AH5 (2-2.5')	S	06-28-19 00:00	2 - 2.5	629639-022
AH5 (3-3.5')	S	06-28-19 00:00	3 - 3.5	629639-023

CASE NARRATIVE

Client Name: Tetra Tech- Midland Project Name: EOG - Wyatt BHT State #1

Project ID: Work Order Number(s): 629639

Report Date: 16-JUL-19
Date Received: 07/01/2019

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3094461 TPH By SW8015 Mod

Surrogate o-Terphenyl recovered below QC limits. Matrix interferences is suspected.

Samples affected are: 629639-018,629639-001.

Batch: LBA-3094810 BTEX by EPA 8021B

Soil samples were not received in Terracore kits and therefore were prepared by method 5030. Surrogate 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected; data

confirmed by re-analysis.

Samples affected are: 629639-020,629639-008,629639-007.

Batch: LBA-3094951 BTEX by EPA 8021B

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

Received by OCD: 12/18/2020/14:07:20/AM XENCO LABORATORIES

Certificate of Analysis Summary 629639

Tetra Tech- Midland, Midland, TX Project Name: EOG - Wyatt BHT State #1

Project Id: Contact:

Project Location:

Clair Gonzales

Eddy Co, NM

Date Received in Lab: Mon Jul-01-19 12:50 pm

Report Date: 16-JUL-19 **Project Manager:** Jessica Kramer

	Lab Id:	629639-0	001	629639-0	02	629639-0	02	629639-0	04	629639-0	15	629639-0	106
Analysis Requested	Field Id:	AH1 (0-	1')	AH1 (1-1.	.5')	AH1 (2-2.	.5')	AH1 (3-3	.5')	AH1 (4-4.	5')	AH1 (5-5	.5')
Timesysta in questou	Depth:	0-1 ft		1-1.5 ft	:	2-2.5 ft		3-3.5 ft		4-4.5 ft		5-5.5 ft	t
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Jun-28-19 (00:00	Jun-28-19 0	00:00	Jun-28-19 0	0:00	Jun-28-19 0	0:00	Jun-28-19 0	0:00	Jun-28-19 0	00:00
BTEX by EPA 8021B	Extracted:	Jul-08-19 1	11:45	Jul-08-19 1	1:45								
SUB: T104704400-18-16	Analyzed:	Jul-09-19 (04:04	Jul-09-19 0	4:26								
	Units/RL:	mg/kg	RL	mg/kg	RL								
Benzene		< 0.00200	0.00200	< 0.00201	0.00201								
Toluene		< 0.00200	0.00200	< 0.00201	0.00201								
Ethylbenzene		< 0.00200	0.00200	< 0.00201	0.00201								
m,p-Xylenes		< 0.00399	0.00399	< 0.00402	0.00402								
o-Xylene		< 0.00200	0.00200	< 0.00201	0.00201								
Total Xylenes		< 0.00200	0.00200	< 0.00201	0.00201								
Total BTEX		< 0.00200	0.00200	< 0.00201	0.00201								
Inorganic Anions by EPA 300/300.1	Extracted:	Jul-02-19 1	16:05	Jul-02-19 1	6:05	Jul-02-19 1	6:05	Jul-02-19 1	6:05	Jul-02-19 1	5:20	Jul-02-19 1	6:20
SUB: T104704400-18-16	Analyzed:	Jul-02-19 2	23:05	Jul-02-19 2	3:12	Jul-02-19 2	3:20	Jul-02-19 2	3:27	Jul-03-19 00	0:10	Jul-03-19 0	0:32
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		396	5.04	248	4.99	52.5	5.01	10.8	4.95	< 5.03	5.03	10.9	5.00
TPH By SW8015 Mod	Extracted:	Jul-04-19 1	10:00	Jul-04-19 1	0:00								
SUB: T104704400-18-16	Analyzed:	Jul-05-19 (01:35	Jul-05-19 0	1:59								
	Units/RL:	mg/kg	RL	mg/kg	RL								
Gasoline Range Hydrocarbons (GRO)	·	<15.0	15.0	<14.9	14.9								
Diesel Range Organics (DRO)		29.1	15.0	<14.9	14.9								
Motor Oil Range Hydrocarbons (MRO)		<15.0	15.0	<14.9	14.9								
Total TPH		29.1	15.0	<14.9	14.9								

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Version: 1.%

Jessica Kramer Project Assistant

fession Weamer

Received by OCD: 12/18/2020/14:07:20/AM XENCO LABORATORIES

Certificate of Analysis Summary 629639

Tetra Tech- Midland, Midland, TX Project Name: EOG - Wyatt BHT State #1

Project Id: Contact:

Clair Gonzales

Project Location:

Eddy Co, NM

Date Received in Lab: Mon Jul-01-19 12:50 pm

Report Date: 16-JUL-19

Project Manager: Jessica Kramer

	Lab Id:	629639-0	007	629639-0	08	629639-0	09	629639-0	10	629639-0)11	629639-0	012
Analusia Paguastad	Field Id:	AH2 (0-	1')	AH2 (1-1	.5')	AH2 (2-2.	.5')	AH2 (3-3.	.5')	AH2 (4-4	.5')	AH3 (0-	·1')
Analysis Requested	Depth:	0-1 ft		1-1.5 ft	t	2-2.5 ft		3-3.5 ft	:	4-4.5 f	t	0-1 ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	,
	Sampled:	Jun-28-19	00:00	Jun-28-19 (00:00	Jun-28-19 0	0:00	Jun-28-19 0	00:00	Jun-28-19 (00:00	Jun-28-19	00:00
BTEX by EPA 8021B	Extracted:	Jul-08-19	11:45	Jul-08-19 1	1:45							Jul-08-19	11:45
SUB: T104704400-18-16	Analyzed:	Jul-09-19 (01:07	Jul-09-19 0	1:29							Jul-09-19 (04:48
	Units/RL:	mg/kg	RL	mg/kg	RL							mg/kg	RL
Benzene		0.136	0.101	0.101	0.100							< 0.00201	0.00201
Toluene		6.36	0.101	4.64	0.100							< 0.00201	0.00201
Ethylbenzene		6.63	0.101	5.20	0.100							< 0.00201	0.00201
m,p-Xylenes		31.7	0.201	24.3	0.200							< 0.00402	0.00402
o-Xylene		11.5	0.101	8.69	0.100							< 0.00201	0.00201
Total Xylenes		43.2	0.101	33.0	0.100							< 0.00201	0.00201
Total BTEX		56.3	0.101	42.9	0.100							< 0.00201	0.00201
Inorganic Anions by EPA 300/300.1	Extracted:	Jul-02-19	16:20	Jul-02-19 1	6:20	Jul-02-19 1	6:20	Jul-02-19 1	6:20	Jul-02-19 1	6:20	Jul-02-19	16:20
SUB: T104704400-18-16	Analyzed:	Jul-03-19 (00:39	Jul-03-19 0	0:47	Jul-03-19 0	0:54	Jul-03-19 0	1:16	Jul-03-19 0	1:23	Jul-03-19 (01:30
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		3310	24.8	4090	25.2	5150	25.0	940	5.01	1330	4.98	3740	25.3
TPH By SW8015 Mod	Extracted:	Jul-04-19	10:00	Jul-04-19 1	0:00	Jul-11-19 1	0:00	Jul-11-19 1	0:00	Jul-11-19 1	0:00	Jul-04-19	10:00
SUB: T104704400-18-16	Analyzed:	Jul-05-19 (02:23	Jul-05-19 0	3:11	Jul-15-19 0	4:54	Jul-15-19 0	5:18	Jul-15-19 1	8:35	Jul-05-19 (03:35
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		1700	15.0	1460	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0
Diesel Range Organics (DRO)		4970	15.0	4140	15.0	171	15.0	64.3	15.0	405	15.0	241	15.0
Motor Oil Range Hydrocarbons (MRO)		246	15.0	191	15.0	<15.0	15.0	<15.0	15.0	37.1	15.0	29.8	15.0
Total TPH		6920	15.0	5790	15.0	171	15.0	64.3	15.0	442	15.0	271	15.0

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Jessica Kramer Project Assistant



Certificate of Analysis Summary 629639

Tetra Tech- Midland, Midland, TX Project Name: EOG - Wyatt BHT State #1

Project Id: Contact:

Clair Gonzales

Project Location:

Eddy Co, NM

Date Received in Lab: Mon Jul-01-19 12:50 pm

Report Date: 16-JUL-19

Project Manager: Jessica Kramer

	Lab Id:	629639-0	112	629639-0	11.4	629639-0	15	629639-0	16	629639-	017	629639-0	010
									-				
Analysis Requested	Field Id:	AH3 (1-1	.5')	AH3 (2-2	.5')	AH3 (3-3	.5')	AH3 (4-4.	5')	AH4 (0-	-1')	AH4 (1-1	1.5')
1111atysts 1tequesteu	Depth:	0-1 ft		2-2.5 f	t	3-3.5 ft	:	4-4.5 ft		0-1 ft	t	1-1.5	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL	.	SOIL	
	Sampled:	Jun-28-19 (00:00	Jun-28-19 (00:00	Jun-28-19 0	00:00	Jun-28-19 0	0:00	Jun-28-19	00:00	Jun-28-19	00:00
BTEX by EPA 8021B	Extracted:	Jul-08-19 1	1:45							Jul-08-19	11:45	Jul-08-19	11:45
SUB: T104704400-18-16	Analyzed:	Jul-09-19 (5:10							Jul-09-19	05:32	Jul-09-19 (05:54
	Units/RL:	mg/kg	RL							mg/kg	RL	mg/kg	RL
Benzene		< 0.00200	0.00200							< 0.00201	0.00201	< 0.00200	0.00200
Toluene		< 0.00200	0.00200							< 0.00201	0.00201	< 0.00200	0.00200
Ethylbenzene		< 0.00200	0.00200							< 0.00201	0.00201	< 0.00200	0.00200
m,p-Xylenes		< 0.00399	0.00399							< 0.00402	0.00402	< 0.00401	0.00401
o-Xylene		< 0.00200	0.00200							< 0.00201	0.00201	< 0.00200	0.00200
Total Xylenes		< 0.00200	0.00200							< 0.00201	0.00201	< 0.00200	0.00200
Total BTEX		< 0.00200	0.00200							< 0.00201	0.00201	< 0.00200	0.00200
Inorganic Anions by EPA 300/300.1	Extracted:	Jul-02-19 1	6:20	Jul-02-19 1	6:20	Jul-02-19 1	6:20	Jul-02-19 1	6:20	Jul-02-19	16:20	Jul-02-19	16:20
SUB: T104704400-18-16	Analyzed:	Jul-03-19 (1:37	Jul-03-19 0	1:45	Jul-03-19 0	1:52	Jul-03-19 02	2:14	Jul-03-19	02:21	Jul-03-19 (02:43
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		40.6	4.99	141	5.01	117	5.00	<4.95	4.95	388	4.98	170	5.04
TPH By SW8015 Mod	Extracted:	Jul-04-19 1	0:00							Jul-04-19	10:00	Jul-04-19	10:00
SUB: T104704400-18-16	Analyzed:	Jul-05-19 (3:58							Jul-05-19	04:22	Jul-05-19 (04:46
	Units/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
Diesel Range Organics (DRO)		52.9	15.0							57.1	14.9	30.7	15.0
Motor Oil Range Hydrocarbons (MRO)		<15.0	15.0							<14.9	14.9	<15.0	15.0
Total TPH		52.9	15.0							57.1	14.9	30.7	15.0

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Version: 1.%

Jessica Kramer Project Assistant

Received by OCD: 12/18/2020/14:07020/AM

Certificate of Analysis Summary 629639

Tetra Tech- Midland, Midland, TX

Project Name: EOG - Wyatt BHT State #1

Project Id: Contact:

Clair Gonzales

Project Location:

Eddy Co, NM

Date Received in Lab: Mon Jul-01-19 12:50 pm

Report Date: 16-JUL-19

Project Manager: Jessica Kramer

												$\overline{}$
	Lab Id:	629639-0	19	629639-0)20	629639-0	021	629639-0	22	629639-0)23	
Analysis Requested	Field Id:	AH4 (2-2	.5')	AH5 (0-	1')	AH5 (1-1	.5')	AH5 (2-2.	5')	AH5 (3-3	3.5')	
Analysis Requested	Depth:	2-2.5		0-1		1-1.5		2-2.5		3-3.5		
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		
	Sampled:	Jun-28-19 (00:00	Jun-28-19 (00:00	Jun-28-19	00:00	Jun-28-19 0	0:00	Jun-28-19	00:00	
BTEX by EPA 8021B	Extracted:			Jul-08-19 1	1:45	Jul-08-19 1	2:20					
SUB: T104704400-18-16	Analyzed:			Jul-09-19 0	6:16	Jul-09-19 1	1:39					
	Units/RL:			mg/kg	RL	mg/kg	RL					
Benzene				< 0.00199	0.00199	< 0.00200	0.00200					
Toluene				< 0.00199	0.00199	< 0.00200	0.00200					
Ethylbenzene				0.00281	0.00199	< 0.00200	0.00200					
m,p-Xylenes				0.0233	0.00398	< 0.00399	0.00399					
o-Xylene				0.0146	0.00199	< 0.00200	0.00200					
Total Xylenes				0.0379	0.00199	< 0.00200	0.00200					
Total BTEX				0.0407	0.00199	< 0.00200	0.00200					
Inorganic Anions by EPA 300/300.1	Extracted:	Jul-02-19 1	6:20	Jul-02-19 1	6:20	Jul-02-19 1	6:20	Jul-02-19 1	5:20	Jul-02-19	6:20	
SUB: T104704400-18-16	Analyzed:	Jul-03-19 0	2:50	Jul-03-19 0	2:57	Jul-03-19 (3:04	Jul-03-19 0	3:12	Jul-03-19 (3:19	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	
Chloride		491	4.97	255	4.95	94.7	5.01	111	5.05	133	5.00	
TPH By SW8015 Mod	Extracted:			Jul-04-19 1	0:00	Jul-04-19 1	0:00	Jul-11-19 1	0:00			
SUB: T104704400-18-16	Analyzed:			Jul-05-19 0	5:10	Jul-05-19 (5:34	Jul-15-19 1	9:00			
	Units/RL:			mg/kg	RL	mg/kg	RL	mg/kg	RL			
Gasoline Range Hydrocarbons (GRO)				76.4	15.0	<15.0	15.0	<15.0	15.0			
Diesel Range Organics (DRO)				743	15.0	154	15.0	59.9	15.0			
Motor Oil Range Hydrocarbons (MRO)				48.6	15.0	<15.0	15.0	<15.0	15.0			\Box
Total TPH				868	15.0	154	15.0	59.9	15.0			\neg

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

Version: 1.%

Jessica Kramer Project Assistant



Flagging Criteria

- 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 Limit SDL Sample Detection Limit LOD Limit of Detection

PQL Practical Quantitation Limit MQL Method Quantitation Limit LOQ Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample BLK Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample BKSD/LCSD Blank Spike Duplicate/Laboratory 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



Project Name: EOG - Wyatt BHT State #1

Work Orders: 629639,

Sample: 629639-001 / SMP

Project ID:

Lab Batch #: 3094461

Matrix: Soil Batch:

Units:	mg/kg	Date Analyzed: 07/05/19 01:35	SURROGATE RECOVERY STUDY Amount True Recovery Limits Flag [B] %R [D]					
	ТРН	By SW8015 Mod Analytes	Found	Amount	%R	Limits	Flags	
1-Chlorooct	tane	•	93.7	100	94	70-135		
o-Terpheny	1		32.9	50.0	66	70-135	**	

Lab Batch #: 3094461

Sample: 629639-002 / SMP

Batch: 1 Matrix: Soil

Units:

mg/kg

Date Analyzed: 07/05/19 01:59

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	116	99.6	116	70-135	
o-Terphenyl	40.7	49.8	82	70-135	

Lab Batch #: 3094461

Sample: 629639-007 / SMP

Batch:

Matrix: Soil

Units:	mg/kg	Date Analyzed: 07/05/19 02:23	SU	RROGATE RI	ECOVERY S	STUDY	
	ТРН	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
		Analytes			[D]		
1-Chlorood	ctane		112	99.9	112	70-135	
o-Terphen	yl		59.3	50.0	119	70-135	

Lab Batch #: 3094461

Sample: 629639-008 / SMP

Batch:

Matrix: Soil

Units:	mg/kg	Date Analyzed: 07/05/19 03:11	SU	RROGATE RI	ECOVERY S	STUDY	
	ТРН	By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooc	ctane		108	99.8	108	70-135	
o-Terpheny	yl		52.0	49.9	104	70-135	

Lab Batch #: 3094461

Sample: 629639-012 / SMP

Batch:

Matrix: Soil

SURROGATE RECOVERY STUDY

Units:

mg/kg

Date Analyzed: 07/05/19 03:35

,		KKOG/IIL KI	COVERT	JIODI	
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1-Chlorooctane	101	99.7	101	70-135	
o-Ternhenyl	38.8	49.9	78	70-135	

^{*} Surrogate outside of Laboratory QC limits

Surrogate Recovery [D] = 100 * A / B

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution



Project Name: EOG - Wyatt BHT State #1

Work Orders: 629639,

Lab Batch #: 3094461 Sample: 629639-013 / SMP

TPH By SW8015 Mod

Project ID:

Matrix: Soil Batch:

Units:

mg/kg

Date Analyzed: 07/05/19 03:58

SURROGATE	RECOVERY	STUDY

·		MOONIE M	COVERT	JICDI	
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1-Chlorooctane	113	100	113	70-135	
o-Terphenyl	37.6	50.0	75	70-135	

Lab Batch #: 3094461

Sample: 629639-017 / SMP

Batch:

Matrix: Soil

Units:

mg/kg

Date Analyzed: 07/05/19 04:22

07/05/19 04:22	SU	RROGATE R	ECOVERY	STUDY	
	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags

Analytes	[A]	[B]	%R [D]	%R	
1-Chlorooctane	107	99.6	107	70-135	
o-Terphenyl	38.6	49.8	78	70-135	

Lab Batch #: 3094461

Sample: 629639-018 / SMP

Batch:

Matrix: Soil

SURROGATE RECOVERY STUDY

Units:

mg/kg

Date Analyzed: 07/05/19 04:46

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	111	99.9	111	70-135	

33.6

Lab Batch #: 3094461

o-Terphenyl

Sample: 629639-020 / SMP

Batch:

Matrix: Soil

70-135

Units:	mg/kg	Date Analyzed: 07/05/19 05:10	SU	RROGATE RE	ECOVERY S	STUDY	
	ТРН	By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooc	ctane		110	99.8	110	70-135	
o-Terpheny	yl		47.4	49.9	95	70-135	

Lab Batch #: 3094461

Sample: 629639-021 / SMP

Batch:

SURROGATE RECOVERY STUDY

Units:

mg/kg

Date Analyzed: 07/05/19 05:34

	~ -					
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags	
Analytes			[D]			
1-Chlorooctane	116	99.7	116	70-135		
o-Terphenyl	40.0	49.9	80	70-135		

^{*} Surrogate outside of Laboratory QC limits

Surrogate Recovery [D] = 100 * A / B

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution



Project Name: EOG - Wyatt BHT State #1

Work Orders: 629639,

Lab Batch #: 3094810 Sample: 629639-007 / SMP **Project ID:**

Matrix: Soil Batch:

Units:

Units:	mg/kg	Date Analyzed: 07/09/19 01:07	SU	RROGATE RI	ECOVERY S	STUDY	
	ВТЕ	X by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
		Analytes			[D]		
1,4-Difluorol	benzene		0.0261	0.0300	87	70-130	
4-Bromofluo	robenzene		0.0573	0.0300	191	70-130	**

Lab Batch #: 3094810

Sample: 629639-008 / SMP

Batch: 1

Matrix: Soil

Units: mg/kg Date A	analyzed: 07/09/19 01:29	SU	RROGATE RE	ECOVERY S	STUDY	
BTEX by EPA	8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes	3			[D]		
1,4-Difluorobenzene		0.0265	0.0300	88	70-130	
4-Bromofluorobenzene		0.0519	0.0300	173	70-130	**

Lab Batch #: 3094810

Sample: 629639-001 / SMP

Batch:

Matrix: Soil

Units:	mg/kg	Date Analyzed: 07/09/19 04:04	SURROGATE RECOVERY STUDY					
	ВТЕ	X by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags	
		Analytes			[D]			
1,4-Difluor	robenzene		0.0285	0.0300	95	70-130		
4-Bromofluorobenzene		0.0286	0.0300	95	70-130			

Lab Batch #: 3094810

Sample: 629639-002 / SMP

Batch:

Matrix: Soil

CLIDDOCATE DECOMEDA COLIDA

Units:

mg/kg

Date Analyzed: 07/09/19 04:26

Mg Date Allaryzett: 07/09/19 04.20	SURROGATE RECOVERY STUDY						
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags		
Analytes			[Մ]				
e	0.0297	0.0300	99	70-130			

4-Bromofluorobenzene Lab Batch #: 3094810

1,4-Difluorobenzene

Sample: 629639-012 / SMP

Batch: 1

0.0324

Matrix: Soil

108

70-130

0.0300

mg/kg

Units:	mg/kg	Date Analyzed: 07/09/19 04:48	4:48 SURROGATE RECOVERY STUL					
	ВТЕ	X by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags	
		Analytes			[D]			
1,4-Difluor	robenzene		0.0280	0.0300	93	70-130		
4-Bromoflu	uorobenzene		0.0340	0.0300	113	70-130		

^{*} Surrogate outside of Laboratory QC limits

Surrogate Recovery [D] = 100 * A / B

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution



Project Name: EOG - Wyatt BHT State #1

Work Orders: 629639,

Sample: 629639-013 / SMP

Project ID:

Lab Batch #: 3094810 I Inite

Matrix: Soil Batch: 1

Units: mg/kg Date Analyzed: 07/09/19 05:10	SURROGATE RECOVERY STUDY				
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes			[-,		
1,4-Difluorobenzene	0.0282	0.0300	94	70-130	
4-Bromofluorobenzene	0.0331	0.0300	110	70-130	

Lab Batch #: 3094810

Sample: 629639-017 / SMP

Batch: 1

Matrix: Soil

Units:

mg/kg

Date Analyzed: 07/09/19 05:32

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0284	0.0300	95	70-130	
4-Bromofluorobenzene	0.0326	0.0300	109	70-130	

Lab Batch #: 3094810

Sample: 629639-018 / SMP

Batch:

Matrix: Soil

Units:

mg/kg

Date Analyzed: 07/09/19 05:54

SURROGATE RECOVERY STUDY Amount True Control BTEX by EPA 8021B Limits Found Amount Recovery Flags [A] [B] %R %R [D] **Analytes** 1,4-Difluorobenzene 0.0297 0.0300 99 70-130 4-Bromofluorobenzene 0.0327 0.0300 109 70-130

Lab Batch #: 3094810

Sample: 629639-020 / SMP

Batch:

Matrix: Soil

Recovery

%R

[D]

94

146

Control

Limits

%R

70-130

70-130

Flags

**

Units: **Date Analyzed:** 07/09/19 06:16 mg/kg SURROGATE RECOVERY STUDY True Amount BTEX by EPA 8021B Found Amount [B] [A] **Analytes**

1,4-Difluorobenzene 4-Bromofluorobenzene Lab Batch #: 3094951

Sample: 629639-021 / SMP

Batch: 1 Matrix: Soil

0.0300

0.0300

Units:

mg/kg

Date Analyzed: 07/09/19 11:39 SURROGATE RECOVERY STUDY

0.0282

0.0437

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0279	0.0300	93	70-130	
4-Bromofluorobenzene	0.0340	0.0300	113	70-130	

^{*} Surrogate outside of Laboratory QC limits

Surrogate Recovery [D] = 100 * A / B

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution



Project Name: EOG - Wyatt BHT State #1

Work Orders: 629639,

Lab Batch #: 3095302 Sample: 629639-009 / SMP **Project ID:**

Matrix: Soil Batch:

Units:

mg/kg

Date Analyzed: 07/15/19 04:54

SUPPOCATE DECOVERY STUDY

omis. Ingreg Duc Mary 200. 67/15/17 64.54	SURRUGATE RECOVERY STUDY					
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags	
Analytes			[D]			
1-Chlorooctane	103	99.8	103	70-135		
o-Terphenyl	57.5	49.9	115	70-135		

Lab Batch #: 3095302

Sample: 629639-010 / SMP

Batch: 1

Matrix: Soil

Units:

mg/kg

Date Analyzed: 07/15/19 05:18

SURROGATE RECOVERY STUDY **Amount** True Control TPH By SW8015 Mod Found Limits Amount Recovery Flags [A] [B] %R %R [D] **Analytes** 106 100 106 70-135

62.9

Lab Batch #: 3095443

1-Chlorooctane

o-Terphenyl

Sample: 629639-011 / SMP

Batch:

Matrix: Soil

126

70-135

50.0

1

Units:	mg/kg	Date Analyzed: 07/15/19 18:35	SURROGATE RECOVERY STUDY				
	ТРН	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
		Analytes			[15]		
1-Chlorood	ctane		99.5	99.8	100	70-135	
o-Terpheny	yl		45.8	49.9	92	70-135	

Lab Batch #: 3095443

Sample: 629639-022 / SMP

Batch:

Matrix: Soil

Units:

Units:	mg/kg	Date Analyzed: 07/15/19 19:00	SURROGATE RECOVERY STUDY					
	ТРН	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags	
		Analytes			[2]			
1-Chlorooc	tane		102	99.9	102	70-135		
o-Terpheny	1		46.9	50.0	94	70-135		

Lab Batch #: 3094461

Sample: 7681387-1-BLK / BLK

Batch: 1 Matrix: Solid

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ma/ka

Date Analyzed: 07/04/19 20:45

Omits: mg/kg Date Analyzed: 0	7/04/19 20.43	SURROGATE RECOVERY STUDY					
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags		
Analytes			[D]				
1-Chlorooctane	109	100	109	70-135			
o-Terphenyl	41.6	50.0	83	70-135			

^{*} Surrogate outside of Laboratory QC limits

Surrogate Recovery [D] = 100 * A / B

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution



Project Name: EOG - Wyatt BHT State #1

Work Orders : 629639,

Lab Batch #: 3094810

Sample: 7681533-1-BLK / BLK

Project ID:

Matrix: Solid

Units:

Date Analyzed: 07/08/19 10:28

Batch: 1

omis. mg/kg Date Analyzed: 07/00/17 10.20	S U.	KKUGATE KI	LCOVERY	STUDY	
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1,4-Difluorobenzene	0.0273	0.0300	91	70-130	
4-Bromofluorobenzene	0.0286	0.0300	95	70-130	

Lab Batch #: 3094951

Sample: 7681537-1-BLK / BLK

Matrix: Solid

SUDDOCATE DECOVEDY STUDY

Units:

mg/kg

Date Analyzed: 07/09/19 11:15

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BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes	[]	[2]	[D]	, , ,	
1,4-Difluorobenzene	0.0266	0.0300	89	70-130	
4-Bromofluorobenzene	0.0302	0.0300	101	70-130	

Lab Batch #: 3095302

Sample: 7681992-1-BLK / BLK

Batch: 1

Matrix: Solid

Units:

mg/kg

Date Analyzed: 07/14/19 20:51

14/19 20:51	SU	JRROGATE RI	ECOVERY	STUDY	
	Amount Found	True Amount	Recovery	Control Limits	Flag

TPH By SW8015 Mod	Amount Found [A]	Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1-Chlorooctane	85.3	100	85	70-135	
o-Terphenyl	48.9	50.0	98	70-135	

Lab Batch #: 3095443

Sample: 7682075-1-BLK / BLK

Matrix: Solid

Units:	mg/kg	Date Analyzed: 07/15/19 09:13	SU	RROGATE RI	ECOVERY S	STUDY	
	ТРН	By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooc	etane		97.8	100	98	70-135	
o-Terpheny	yl		48.3	50.0	97	70-135	

Lab Batch #: 3094461

Sample: 7681387-1-BKS / BKS

Batch: Matrix: Solid

Units:

1-Chlorooctane o-Terphenyl

mg/kg

Date Analyzed: 07/04/19 21:09

ykg Date Analyzed: 07/04/19 21:09	SU	RROGATE RI	ECOVERY	STUDY	
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
	111	100	111	70-135	
	55.0	50.0	110	70.125	

^{*} Surrogate outside of Laboratory QC limits

Surrogate Recovery [D] = 100 * A / B

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution



Project Name: EOG - Wyatt BHT State #1

Work Orders : 629639,

Lab Batch #: 3094810

Sample: 7681533-1-BKS / BKS

Project ID:

Matrix: Solid Batch:

Units:

mg/kg

Date Analyzed: 07/08/19 08:34

	30.	KKOGATE KI	COVERT	31 UD 1	
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1,4-Difluorobenzene	0.0280	0.0300	93	70-130	
4-Bromofluorobenzene	0.0317	0.0300	106	70-130	

Lab Batch #: 3094951

Sample: 7681537-1-BKS / BKS

Batch:

Matrix: Solid

SUDDOCATE DECOVEDY STUDY

SUPPOCATE DECOVERY STUDY

Units:

mg/kg

Date Analyzed: 07/09/19 09:13

Date initially 2001.	30	KKUGAIE KI	ECOVERI	SIUDI	
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes	[14]	[2]	[D]	/ 11	
1,4-Difluorobenzene	0.0260	0.0300	87	70-130	
4-Bromofluorobenzene	0.0324	0.0300	108	70-130	

Lab Batch #: 3095302

Sample: 7681992-1-BKS / BKS

Batch: 1

Matrix: Solid

Units:	mg/kg	Date Analyzed: 07/14/19 21:16	SU	RROGATE RI	ECOVERY S	STUDY	
	ТРН	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
		Analytes			[D]		
1-Chlorood	ctane		103	100	103	70-135	
o-Terpheny	yl		63.0	50.0	126	70-135	

Lab Batch #: 3095443

Sample: 7682075-1-BKS / BKS

Matrix: Solid

Units:	mg/kg	Date Analyzed: 07/15/19 09:37	SU	RROGATE RE	ECOVERY S	STUDY	
	TPH :	By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooc	tane		83.9	100	84	70-135	
o-Terpheny	1		48.6	50.0	97	70-135	

Lab Batch #: 3094461

Sample: 7681387-1-BSD / BSD

Batch:

Matrix: Solid

CUDDOCATE DECOVEDY CTUDY

Ilnite.

ma/ka

Date Analyzed: 07/04/19 21:32

Omis: mg/kg Date Analyzed: 07/04/19 21.32	SU	RROGATE RI	ECOVERY	STUDY	
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1-Chlorooctane	103	100	103	70-135	
o-Terphenyl	48.5	50.0	97	70-135	

^{*} Surrogate outside of Laboratory QC limits

Surrogate Recovery [D] = 100 * A / B

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution



Project Name: EOG - Wyatt BHT State #1

Work Orders : 629639,

Lab Batch #: 3094810

Sample: 7681533-1-BSD / BSD

Project ID:

Matrix: Solid

Units:

mg/kg

Date Analyzed: 07/08/19 08:56

Batch: SURROGATE RECOVERY STUDY

	SURROGATE RECOVERT STUDI					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags	
Analytes			[D]			
1,4-Difluorobenzene	0.0278	0.0300	93	70-130		
4-Bromofluorobenzene	0.0308	0.0300	103	70-130		

Lab Batch #: 3094951

Sample: 7681537-1-BSD / BSD

Batch: Matrix: Solid

Units:

mg/kg

Date Analyzed: 07/09/19 09:36

SURROGATE RECOVERY STUDY **Amount** True Control BTEX by EPA 8021B Found Limits Amount Flags Recovery [A] [B] %R %R [D] **Analytes** 0.0269 0.0300 90 70-130 0.0313 0.0300 104 70-130

Lab Batch #: 3095302

1,4-Difluorobenzene

4-Bromofluorobenzene

Sample: 7681992-1-BSD / BSD

Batch:

Matrix: Solid

Units:	mg/kg	Date Analyzed: 07/14/19 21:41	SU	RROGATE RI	ECOVERY S	STUDY	
	ТРН	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
		Analytes			[D]		
1-Chlorood	ctane		92.8	100	93	70-135	
o-Terpheny	yl		53.9	50.0	108	70-135	

Lab Batch #: 3095443

Sample: 7682075-1-BSD / BSD

Batch:

Matrix: Solid CLIDDOCATE DECOMEDA CELIDA

Units:

mg/kg

Date Analyzed: 07/15/19 10:01

Date Analyzeu. 07/13/17 10.01	SURROGATE RECOVERY STUDY						
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags		
Analytes		[D]	[D]	/0K			
	90.5	100	91	70-135			
	49.3	50.0	99	70-135			

Lab Batch #: 3094461

1-Chlorooctane o-Terphenyl

Sample: 629498-001 S / MS

Matrix: Soil

SURROGATE RECOVERY STUDY

Units:

mg/kg

Date Analyzed: 07/04/19 22:20

	50.	KKOGAIE KI	COVERT	JIODI	
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1-Chlorooctane	103	99.7	103	70-135	
o-Terphenyl	39.4	49.9	79	70-135	

^{*} Surrogate outside of Laboratory QC limits

Surrogate Recovery [D] = 100 * A / B

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution



Project Name: EOG - Wyatt BHT State #1

Work Orders : 629639,

Lab Batch #: 3094810 **Sample:** 629496-023 S / MS **Project ID:**

Matrix: Soil Batch:

Units:

mg/kg

Date Analyzed: 07/08/19 09:18

SURROGATE RECOVERY ST	UDY
-----------------------	-----

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0295	0.0300	98	70-130	
4-Bromofluorobenzene	0.0356	0.0300	119	70-130	

Lab Batch #: 3094951

Sample: 629639-021 S / MS

Batch: 1

Matrix: Soil

Units:

mg/kg

Units: mg/kg Date Analyzed: 07/09/19 0)9:59 SU	RROGATE R	ECOVERY S	STUDY	
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1,4-Difluorobenzene	0.0277	0.0300	92	70-130	
4-Bromofluorobenzene	0.0336	0.0300	112	70-130	

Lab Batch #: 3095302

Sample: 629984-001 S / MS

Batch:

Matrix: Soil

Units:

Units:	mg/kg	Date Analyzed: 07/14/19 22:30	SURROGATE RECOVERY STUDY						
	ТРН	By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags		
		Analytes			[2]				
1-Chlorooc	tane		86.1	99.7	86	70-135			
o-Terpheny	ıl .		56.5	49.9	113	70-135			

Lab Batch #: 3095443

Sample: 630227-007 S / MS

Batch:

Units:

mg/kg

Date Analyzed: 07/15/19 10:50	SU	RROGATE RE	COVERY S	STUDY	
TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
	85.1	100	85	70-135	

Lab Batch #: 3094461

1-Chlorooctane o-Terphenyl

Sample: 629498-001 SD / MSD

Batch: 1

46.9

Matrix: Soil

94

70-135

50.0

Unite.

ma/ka

Date Analyzed: 07/04/19 22:44

Units: hig/kg Date Analyzed: 07/04/19 22.44	SU	SURROGATE RECOVERY STUDY					
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags		
Analytes			[D]				
1-Chlorooctane	102	99.8	102	70-135			
o-Terphenyl	38.1	49.9	76	70-135			

^{*} Surrogate outside of Laboratory QC limits

Surrogate Recovery [D] = 100 * A / B

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution



Project Name: EOG - Wyatt BHT State #1

Work Orders : 629639,

Lab Batch #: 3094810

Sample: 629496-023 SD / MSD

Project ID:

Matrix: Soil Batch:

Units:

mg/kg

Date Analyzed: 07/08/19 09:40 SUPPOCATE RECOVERY STUDY

	SURROGATE RECOVERT STUDI					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags	
Analytes			[D]			
1,4-Difluorobenzene	0.0304	0.0300	101	70-130		
4-Bromofluorobenzene	0.0361	0.0300	120	70-130		

Lab Batch #: 3094951

Sample: 629639-021 SD / MSD

Batch: 1

Matrix: Soil

CUDDOCATE DECOVEDY CTUDY

Units:

mg/kg

Date Analyzed: 07/09/19 10:22.

omes. Mg kg Dute mary Lett. 01109/19 10:22	Su	KKUGAIE KI	COVERY	STUDY	
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes	[24]	[2]	[D]	/011	
1,4-Difluorobenzene	0.0277	0.0300	92	70-130	
4-Bromofluorobenzene	0.0342	0.0300	114	70-130	

Lab Batch #: 3095302

Sample: 629984-001 SD

Batch:

Matrix: Soil

Units:

Date Analyzed: 07/14/19 22:54

Units: mg/kg Date Analyzed: 07/14/19 22:54 SURROGATE RECOVERY STUDY							
	ТРН	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
		Analytes			[D]		
1-Chlorooc	tane		89.7	99.6	90	70-135	
o-Terpheny	/1		56.8	49.8	114	70-135	

Lab Batch #: 3095443

Sample: 630227-007 SD / MSD

Batch:

Matrix: Soil

U	ni	ts	:

Units:	mg/kg	Date Analyzed: 07/15/19 11:14	SU	RROGATE RI	ECOVERY	STUDY	
	ТРН	By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooc	etane		88.0	100	88	70-135	
o-Terpheny	/1		49.3	50.0	99	70-135	

Surrogate Recovery [D] = 100 * A / B

^{*} Surrogate outside of Laboratory QC limits

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution

BS / BSD Recoveries



Page 114 of 127

Project Name: EOG - Wyatt BHT State #1

Work Order #: 629639

Project ID:

Analyst: FOV

Date Prepared: 07/08/2019

Date Analyzed: 07/08/2019

Lab Batch ID: 3094810

Sample: 7681533-1-BKS

Batch #: 1 Matrix: Solid

Units:

mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	< 0.00200	0.0998	0.0919	92	0.0994	0.0879	88	4	70-130	35	
Toluene	< 0.00200	0.0998	0.0899	90	0.0994	0.0873	88	3	70-130	35	
Ethylbenzene	< 0.00200	0.0998	0.101	101	0.0994	0.0952	96	6	70-130	35	
m,p-Xylenes	< 0.00399	0.200	0.201	101	0.199	0.191	96	5	70-130	35	
o-Xylene	< 0.00200	0.0998	0.0960	96	0.0994	0.0914	92	5	70-130	35	

Analyst:

AMB

Date Prepared: 07/08/2019

Date Analyzed: 07/09/2019

Lab Batch ID: 3094951

Sample: 7681537-1-BKS

Batch #: 1

Matrix: Solid

Units:

mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	< 0.00199	0.0996	0.0778	78	0.100	0.0883	88	13	70-130	35	
Toluene	< 0.000454	0.0996	0.0955	96	0.100	0.104	104	9	70-130	35	
Ethylbenzene	<0.00199	0.0996	0.109	109	0.100	0.116	116	6	70-130	35	
m,p-Xylenes	< 0.00101	0.199	0.215	108	0.201	0.229	114	6	70-130	35	
o-Xylene	0.000750	0.0996	0.102	102	0.100	0.109	109	7	70-130	35	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)| Blank Spike Recovery [D] = 100*(C)/[B]Blank Spike Duplicate Recovery [G] = 100*(F)/[E]All results are based on MDL and Validated for QC Purposes

BS / BSD Recoveries



Page 115 of 127

Project Name: EOG - Wyatt BHT State #1

Work Order #: 629639

Project ID:

Analyst:

CHE

Date Prepared: 07/02/2019

Date Analyzed: 07/02/2019

Lab Batch ID: 3094282

Sample: 7681269-1-BKS

Batch #: 1

Matrix: Solid

Units:

mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1	Blank Sample Result [A]	Spike Added	Blank Spike Result	Blank Spike %R	Spike Added	Blank Spike Duplicate	Blk. Spk Dup. %R	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes		[B]	[C]	[D]	[E]	Result [F]	[G]				
Chloride	<5.00	250	247	99	250	247	99	0	90-110	20	

Analyst:

CHE

Date Prepared: 07/02/2019

Date Analyzed: 07/02/2019

Lab Batch ID: 3094285

Sample: 7681270-1-BKS

Batch #: 1

Matrix: Solid

Units:

mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1	Blank Sample Result [A]	Spike Added	Blank Spike Result	Blank Spike %R	Spike Added	Blank Spike Duplicate	Blk. Spk Dup. %R	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes		[B]	[C]	[D]	[E]	Result [F]	[G]				
Chloride	< 0.858	250	252	101	250	252	101	0	90-110	20	

Analyst:

ARM

Date Prepared: 07/04/2019

Date Analyzed: 07/04/2019

Lab Batch ID: 3094461

Sample: 7681387-1-BKS

Batch #: 1

Matrix: Solid

Units:

mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Gasoline Range Hydrocarbons (GRO)	<8.00	1000	1180	118	1000	1100	110	7	70-135	20	
Diesel Range Organics (DRO)	<8.13	1000	1190	119	1000	1150	115	3	70-135	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|Blank Spike Recovery [D] = 100*(C)/[B]Blank Spike Duplicate Recovery [G] = 100*(F)/[E]All results are based on MDL and Validated for QC Purposes

BS / BSD Recoveries



Page 116 of 127

Project Name: EOG - Wyatt BHT State #1

Work Order #: 629639

Project ID:

Analyst:

ARM

Date Prepared: 07/14/2019 **Batch #:** 1

Date Analyzed: 07/14/2019

Lab Batch ID: 3095302

Sample: 7681992-1-BKS

Matrix: Solid

Units:

mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes					[,						
Gasoline Range Hydrocarbons (GRO)	<8.00	1000	1130	113	1000	1090	109	4	70-135	20	
Diesel Range Organics (DRO)	<8.13	1000	1170	117	1000	1160	116	1	70-135	20	

Analyst:

ARM

Date Prepared: 07/15/2019

Date Analyzed: 07/15/2019

Lab Batch ID: 3095443

Sample: 7682075-1-BKS

Batch #: 1

Matrix: Solid

Units:

mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Gasoline Range Hydrocarbons (GRO)	<8.00	1000	963	96	1000	1020	102	6	70-135	20	
Diesel Range Organics (DRO)	<8.13	1000	979	98	1000	1000	100	2	70-135	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)| Blank Spike Recovery [D] = 100*(C)/[B]Blank Spike Duplicate Recovery [G] = 100*(F)/[E]All results are based on MDL and Validated for QC Purposes

Received by OCD: 12/18/2020/11:07:20/AM XENCO LABORATORIES

Form 3 - MS / MSD Recoveries

Project Name: EOG - Wyatt BHT State #1

Work Order #:

629639

Project ID:

Lab Batch ID:

3094810

QC- Sample ID: 629496-023 S

Batch #:

Matrix: Soil

Date Analyzed:

07/08/2019

Date Prepared: 07/08/2019

Analyst: FOV

Reporting Units:

mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.00199	0.0996	0.0823	83	0.100	0.0834	83	1	70-130	35	
Toluene	< 0.00199	0.0996	0.0820	82	0.100	0.0796	80	3	70-130	35	
Ethylbenzene	< 0.00199	0.0996	0.0912	92	0.100	0.0897	90	2	70-130	35	
m,p-Xylenes	< 0.00398	0.199	0.181	91	0.201	0.180	90	1	70-130	35	
o-Xylene	< 0.00199	0.0996	0.0872	88	0.100	0.0884	88	1	70-130	35	

Lab Batch ID:

3094951

QC- Sample ID: 629639-021 S

Batch #:

Matrix: Soil

Date Analyzed:

07/09/2019

Date Prepared: 07/08/2019

Analyst: AMB

Reporting Units:

mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
•			0.0504			0.0500			5 0.420	25	
Benzene	< 0.00201	0.101	0.0791	78	0.0994	0.0789	79	0	70-130	35	
Toluene	<0.000458	0.101	0.0828	82	0.0994	0.0829	83	0	70-130	35	
Ethylbenzene	< 0.00201	0.101	0.0812	80	0.0994	0.0864	87	6	70-130	35	
m,p-Xylenes	< 0.00102	0.201	0.143	71	0.199	0.149	75	4	70-130	35	
o-Xylene	< 0.000346	0.101	0.0802	79	0.0994	0.0826	83	3	70-130	35	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B Relative Percent Difference RPD = 200*|(C-F)/(C+F)| Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

Project Name: EOG - Wyatt BHT State #1

Work Order #:

629639

Project ID:

Lab Batch ID:

3094282

QC- Sample ID: 629602-009 S

Batch #:

Matrix: Soil

Page 118 of 127

Date Analyzed:

07/02/2019

Date Prepared: 07/02/2019

Analyst: CHE

Reporting Units:

mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1	Parent Sample Result	Spike Added	Spiked Sample Result [C]	Sample %R	Spike Added	Duplicate Spiked Sample Result [F]	%R	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes	[A]	[B]		[D]	[E]		[G]				
Chloride	103	249	349	99	249	350	99	0	90-110	20	

Lab Batch ID:

3094282

QC- Sample ID: 629705-002 S

Batch #:

Matrix: Soil

Date Analyzed:

07/02/2019

Date Prepared: 07/02/2019

Analyst: CHE

Reporting Units:

mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag	
Chloride	374	250	590	86	250	593	88	1	90-110	20	X	1

Lab Batch ID:

3094285

QC- Sample ID: 629639-005 S

Batch #:

Matrix: Soil

Date Analyzed:

07/03/2019

Date Prepared: 07/02/2019

Analyst: CHE

Reporting Units:

mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

1

Inorganic Anions by EPA 300/300.1	Parent Sample Result	Spike Added	Spiked Sample Result [C]	Spiked Sample %R	Spike Added	Duplicate Spiked Sample Result [F]	Spiked Dup. %R	RPD	Control Limits %R	Control Limits %RPD	Flag
Analytes	[A]	[B]	[0]	[D]	[E]	Kesuit [F]	[G]	/0	/0K	70KI D	
Chloride	< 0.864	252	253	100	252	254	101	0	90-110	20	

Form 3 - MS / MSD Recoveries

Project Name: EOG - Wyatt BHT State #1

Work Order #:

629639

Project ID:

Lab Batch ID:

3094285

QC- Sample ID: 629639-015 S

Batch #:

Matrix: Soil

Date Analyzed:

07/03/2019

Date Prepared: 07/02/2019

Analyst: CHE

Reporting Units:

mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	117	250	368	100	250	367	100	0	90-110	20	

Lab Batch ID:

3094461

mg/kg

QC- Sample ID: 629498-001 S

Batch #:

Matrix: Soil

Date Analyzed: Reporting Units: 07/04/2019

Date Prepared: 07/04/2019

Analyst: ARM

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Gasoline Range Hydrocarbons (GRO)	9.21	997	1180	117	998	1190	118	1	70-135	20	
Diesel Range Organics (DRO)	13.6	997	1080	107	998	1050	104	3	70-135	20	

Lab Batch ID:

3095302

QC- Sample ID: 629984-001 S

Batch #:

1 Matrix: Soil

Date Analyzed:

07/14/2019

Date Prepared: 07/14/2019

Analyst: ARM

Reporting Units:

mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod	Parent Sample Result	Spike	Spiked Sample Result	Sample	Spike	Duplicate Spiked Sample		RPD	Control Limits	Control Limits	Flag
Analytes	[A]	Added [B]	[C]	%R [D]	Added [E]	Result [F]	%R [G]	%	%R	%RPD	
Gasoline Range Hydrocarbons (GRO)	8.34	997	978	97	996	999	99	2	70-135	20	
Diesel Range Organics (DRO)	<8.10	997	1070	107	996	1070	107	0	70-135	20	

Form 3 - MS / MSD Recoveries

Project Name: EOG - Wyatt BHT State #1

Work Order #:

629639 3095443

QC- Sample ID: 630227-007 S

Batch #:

Matrix: Soil

Project ID:

Lab Batch ID: **Date Analyzed:**

07/15/2019

Date Prepared: 07/15/2019

Analyst: ARM

Reporting Units:

mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Gasoline Range Hydrocarbons (GRO)	9.84	1000	977	97	1000	1000	99	2	70-135	20	
Diesel Range Organics (DRO)	13.5	1000	1040	103	1000	1100	109	6	70-135	20	

Date: Time: Received by: Date: Time: A.O.C. Special Sp	Heceived-by: Date: Time: Sample Temperature	4 1250 Thilly 12:50 LABUSE REMARKS	4	A H 2 (2-2, 5')	A 4 2 (0-1)	121	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1		AH 1 (1/13)	6/28/m X X X X	DATE TIME WATER SOIL HCL HNO3 ICE None # CONTA FILTEREI BTEX 803 TPH TX10 TPH 8015 PAH 8270 Total Meta TCLP Meta TCLP Vola TCLP Sem RCI	INERS O (Y/N) 1B E 005 (Exi M (GR C Is Ag A tiles i Volatil	MATRIX PRESERVATIVE BTEX to CO - E s Ba s Ba es	ands somy/kg or it TPH axcords 10mg/kg or BTEX 80B CO CO	hanco sampler signature: Tory Logicorda	incs Kennady & Todd Wells	Eddy CO, NM	+ 13#1 State # 1	Clair Gonzales ANI	Tetra Tech, Inc.
000	1 П	REMARKS: X STANDARD	**	×		d X	×	× :	×	×	TPH TX10 TPH 8015 PAH 8270 Total Meta TCLP Meta TCLP Vola TCLP Sem	M (GR C Is Ag A Is Ag A Is Ag A Itiles I Volatil . 8260 mi. Vol. 2 / 608 stos)	t to Co - E s Ba - S Ba	Cd Cr Pt Cd Cr Pt 24 00C/625	o Se Hç b Se H	9			ANALYSIS REQUEST	

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	leport	trap a	Rush Charges Authorized Special Report Limits or TRRP Report	harges	Rush C Special		,	000	A				Time:	Date:	D			Received by:	Receiv		Time:		Date:			*	inquished by:	CD: 12/	
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Hold	Anion/Catior	Chloride S General Wat	NORM PLM (Asbest Chloride	GC/MS Semi PCB's 8082	RCI GC/MS Vol.	TCLP Volatile	Total Metals TCLP Metals	TPH 8015M PAH 8270C	BTEX 80218 TPH TX100	FILTERED	# CONTAIN	None	HNO ₃ ICE	HCL	SOIL	WATER	TIME	DATE			2	HICALI	SAMPLE IDENTIFICATION	7		_	LAB USE ONLY		
	Baland	Sulfate ter Cher	os)	i. Vol. 8		es	Ag As E	(GRO		(Y/N)	IERS	ATIVE	METHOD		MATRIX	-	PLING	SAMPLING YEAR: 2019	YEAR		2						D #	-	
	e	TDS mistry (se							X 8260B	X	7		3	7	100mg	25	eds	ax coods		TPH	1	7 6	0 70		50 mg	2005	6		
		e attac				5 06 1		RO - M			0	orda	8	7	pro	7	ature:	Sampler Signature:	Sam			1		10	· ×	٥.	Comments:	Com	
		hed list				.9		IRO)							10	Wells	2	ppo	1	dy &	Kennudy		James	4	200	oratory.	Receiving Laboratory:	Rec	
		t)									7	181	C	0	OW	?	212	Project #:	Proj				M			וו	(county, state)	lnvo	
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			REQUEST	SREC	ANALYSIS	AN	2					ales	N	3	3	a:s	U	Site Manager:	Site				1		00	M	Project Name:	Pro	
												5	901W Wall Street, Ste 100 Midland, Texas 79705 Tel (432) 682-4559 Fax (432) 682-3946	V Wall Studland, Texel (432) 6	901V T T090					Inc.	ch,	Tech,	Tetra				급		
W		je L	Page	2	629639	96	2	0														Record	stody	Analysis Request of Chain of Custody Record	st of CI	Reque	nalysis	122 of] ≥	
				J																								127	

OCD: 12/	18/20 miquisited by:			NATO								LAB #	10	Comments: A	Receiving Laborator		Point Name.	100	Page 1
Date: Time:		K							A 145 (3-5.5)	AHS (2-2.5')	445 (1-1.5)	SAMPLE IDENTIFICATION	soma/kg or it	Xenco	OCI - James	Eddy Co, NM	B#T S+	06	Tetra Tech, Inc.
Received by:	Received by:)	1 Oy	W								6/28/19	YEAR: 2019 DATE TIME	ax cocds	Sampler Signature:	Todd W	Project #: 212	0 井 1	Site Manager: C	
Date: Time:	Date: Time:	h									X	# CONTAINERS	7	Tony Lagorda	2112	C-MD-01817		ain Gonzales	901W Wall Street, Ste 100 Midland, Fexas 79705 Tel (432) 682-4559 Fax (432) 682-3946
4.000	Sample Temperature	LAB USE ONLY									×	BTEX 8021B BTE TPH TX1005 (Ext to TPH 8015M (GRO PAH 8270C Total Metals Ag As E	C35) - DRO - O a Cd Cr F	RO - M	g			()	
Rush Charges Authorized Special Report Limits or TRRP Report	Nush: Same Day 24 hr 48 hr 72 hr	REMARKS: STANDARD		< ×	X	×	X	X	X	×	×	TCLP Volatiles TCLP Semi Volatiles RCI GC/MS Vol. 8260B / GC/MS Semi. Vol. 8 PCB's 8082 / 608 NORM PLM (Asbestos) Chloride Chloride Sulfate General Water Che	624 270C/625 TDS mistry (se			r)	or specify wietnoo	ANALYSIS REQUEST	
	linquished by: Date: Time: Received by: Date: Time:	Inquished by: Date: Time: Received by: Date: Time: Sample Temperature Received by: Date: Time: Sample Temperature Rush Charges Authorized Special Report Limits or TRRP Repo	Tinquished by: Date: Time: Da	Inquished by: Date: Time: Received by: Date: Time: Time: Date: Ti	Inquished by: Date: Time: Received by: Date: Time: Sample Temperature Rush: Same Day 24 hr 48 hr Received by: Date: Time: Received by: Date: Time: Sample Temperature Rush Charges Authorized Special Report Limits or TRRP Repo	Inquished by: Date: Time: Received by: Date: Time: AB USE ONLY AB USE STANDARD A O C Special Report Limits or TRPP Repo	Inquished by: Date: Time: Dat	Inquished by: Date: Time: Sample Temperature Special Report Limits or TRRP Report	Inquished by: Date: Time: Peceived by: Date: Time: Date: Time: Date: Time: Date: Time: Date: Time: Date: Time: A 0 C Special Report Limits or TRAP Report	Inquished by: Date: Time: A 0 C Special Report Limits or TRAP Report	A H S (2-2.5) A H S (3-3.5) A H S	### A H S (2-2.5) ### A H S (2-	LAB # SAMPLE IDENTIFICATION A H S (1-1.5) A H S (2-2.5) A H C L HNO ₃ A H S (C NTAINERS N N FILTERED (Y/N) B STEX 802 IB STE TIME: A Date: Time: A DATE A H S (2-2.5) A H C L HNO ₃ A H S (2-2.5) A H C L HNO ₃ A H S (2-2.5) A H C L HNO ₃ A H S (2-2.5) A H C L HNO ₃ A H S (2-2.5) A H C L HNO ₃ A H S (2-2.5) A DATE A H S (2-2.5) A H C L HNO ₃ A H S (2-2.5) A DATE A H C L HNO ₃ A T THAP Have Notative and A S B B T THAP Have Notative and A S B B T THAP Have Notative and A S B B T THAP Have Notative and A S B B T THAP Have Notative and A S B B T THAP Have Notative and A S B B T THAP Have Notative and A S B B T THAP Have Notative and A S B B T THAP Have Notative and A S B B T THAP Have Notative and A S B B T THAP Have Notative and A S B B T THAP Have Notative and A S B B T THAP Have Notative and A S B B T THAP Have Notative and A S B B T THAP Have Notative and A S B B B T THAP Have Notative and A S B B B T THAP Have Notative and A S B B B T THAP Have Notative and A S B B B T THAP Have Notative and A S B B B T THAP Have Notative and A S B B B T THAP Have Notative and A S B B B T THAP Have Notative and A S B B B T THAP Have Notative and A S B B B T THAP Have Notative and A S B B B T THAP Have Notative and A S B B B T THAP Have Notative and A S B B B T THAP Have Notative and A S B B B T THAP Have Notative and A S B B B T THAP Have Notative and A S B B T THAP Have Notative and A S B B T THAP Have Notative and A S B B T THAP Have Notative and A S B B T THAP Have Notative and A S B B T THAP Have Notative and A S B B T THAP HAVE Notative and A S B B T THAP HAVE Notative and A S B B T THAP HAVE	A H S (2-2.5) A H S	CONTINUED BY TIME: Date: Time:	Receiving Laboratory: X annothing theoretisty: X annothing theoretisty: X annothing theoretisty: X annothing theoretisty: X annothing the property of the prop	Receiving Laborations: EOCT - Sample Skinnady & Gold Walls Receiving Laborations: Vanco OX Cock S SO may Kg or if bin 22ns & A cock d S 10 mg/s So may Kg or BTEX 8880B OX Cock S SO may Kg or if bin 22ns & A cock d S 10 mg/s So may Kg or BTEX 8880B OX Cock S SO may Kg or if bin 22ns & A cock d S 10 mg/s So may Kg or BTEX 8880B OX Cock S SO may Kg or if bin 22ns & A cock d S 10 mg/s So may Kg or BTEX 8880B OX Cock S SO may Kg or if bin 22ns & A cock d S 10 mg/s So may Kg or BTEX 8880B OX Cock S SO may Kg or if bin 22ns & A cock d S 10 mg/s So may Kg or BTEX 8880B OX Cock S SO may Kg or if bin 22ns & A cock d S 10 mg/s So may Kg or BTEX 8880B OX Cock S SO may Kg or if bin 22ns & A cock d S 10 mg/s So may Kg or BTEX 8880B OX Cock S SO may Kg or if bin 22ns & A cock d S 10 mg/s So may Kg or BTEX 8880B OX Cock S SO may Kg or if bin 22ns & A cock d S 10 mg/s So may Kg or BTEX 8880B OX Cock S SO may Kg or if bin 22ns & A so cock or Pb So mg ITCLP So may Kg or ITCL	INCOMPRISED ENDOY CO, NM INTERPOLACION ENDOY INCOMPRISED ENDOY INCO	AMAYSIS REQUEST PROJECT COMMENT PROJECT COMMENT PARTY STORY PARTY

Inter-Office Shipment



Page 1 of 2

IOS Number 42630

Date/Time: 07/01/19 15:22 Created by: Elizabeth Mcclellan Please send report to: Jessica Kramer

Lab# From: Carlsbad Delivery Priority: Address: 1089 N Canal Street

Lab# To: **Midland** Air Bill No.: 775613045113 E-Mail: jessica.kramer@xenco.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
629639-001	S	AH1 (0-1')	06/28/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	07/08/19	07/12/19	JKR	PHCC10C28 PHCC28C351	
629639-001	S	AH1 (0-1')	06/28/19 00:00	E300	Inorganic Anions by EPA 300/300.1	07/08/19	07/26/19	JKR	CL F NO2N NO3N SO4	
629639-001	S	AH1 (0-1')	06/28/19 00:00	SW8021B	BTEX by EPA 8021B	07/08/19	07/12/19	JKR	BR4FBZ BZ BZME EBZ X	
629639-002	S	AH1 (1-1.5')	06/28/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	07/08/19	07/12/19	JKR	PHCC10C28 PHCC28C35	
629639-002	S	AH1 (1-1.5')	06/28/19 00:00	E300	Inorganic Anions by EPA 300/300.1	07/08/19	07/26/19	JKR	CL F NO2N NO3N SO4	
629639-002	S	AH1 (1-1.5')	06/28/19 00:00	SW8021B	BTEX by EPA 8021B	07/08/19	07/12/19	JKR	BR4FBZ BZ BZME EBZ X	
629639-003	S	AH1 (2-2.5')	06/28/19 00:00	E300	Inorganic Anions by EPA 300/300.1	07/08/19	07/26/19	JKR	CL F NO2N NO3N SO4	
629639-004	S	AH1 (3-3.5')	06/28/19 00:00	E300	Inorganic Anions by EPA 300/300.1	07/08/19	07/26/19	JKR	CL F NO2N NO3N SO4	
629639-005	S	AH1 (4-4.5')	06/28/19 00:00	E300	Inorganic Anions by EPA 300/300.1	07/08/19	07/26/19	JKR	CL F NO2N NO3N SO4	
629639-006	S	AH1 (5-5.5')	06/28/19 00:00	E300	Inorganic Anions by EPA 300/300.1	07/08/19	07/26/19	JKR	CL F NO2N NO3N SO4	
629639-007	S	AH2 (0-1')	06/28/19 00:00	E300	Inorganic Anions by EPA 300/300.1	07/08/19	07/26/19	JKR	CL F NO2N NO3N SO4	
629639-007	S	AH2 (0-1')	06/28/19 00:00	SW8021B	BTEX by EPA 8021B	07/08/19	07/12/19	JKR	BR4FBZ BZ BZME EBZ X	
629639-007	S	AH2 (0-1')	06/28/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	07/08/19	07/12/19	JKR	PHCC10C28 PHCC28C35	
629639-008	S	AH2 (1-1.5')	06/28/19 00:00	E300	Inorganic Anions by EPA 300/300.1	07/08/19	07/26/19	JKR	CL F NO2N NO3N SO4	
629639-008	S	AH2 (1-1.5')	06/28/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	07/08/19	07/12/19	JKR	PHCC10C28 PHCC28C35	
629639-008	S	AH2 (1-1.5')	06/28/19 00:00	SW8021B	BTEX by EPA 8021B	07/08/19	07/12/19	JKR	BR4FBZ BZ BZME EBZ X	
629639-009	S	AH2 (2-2.5')	06/28/19 00:00	E300	Inorganic Anions by EPA 300/300.1	07/08/19	07/26/19	JKR	CL F NO2N NO3N SO4	
629639-010	S	AH2 (3-3.5')	06/28/19 00:00	E300	Inorganic Anions by EPA 300/300.1	07/08/19	07/26/19	JKR	CL F NO2N NO3N SO4	
629639-011	S	AH2 (4-4.5')	06/28/19 00:00	E300	Inorganic Anions by EPA 300/300.1	07/08/19	07/26/19	JKR	CL F NO2N NO3N SO4	
629639-012	S	AH3 (0-1')	06/28/19 00:00	SW8021B	BTEX by EPA 8021B	07/08/19	07/12/19	JKR	BR4FBZ BZ BZME EBZ X	
629639-012	S	AH3 (0-1')	06/28/19 00:00	E300	Inorganic Anions by EPA 300/300.1	07/08/19	07/26/19	JKR	CL F NO2N NO3N SO4	
629639-012	S	AH3 (0-1')	06/28/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	07/08/19	07/12/19	JKR	PHCC10C28 PHCC28C35	
629639-013	S	AH3 (1-1.5')	06/28/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	07/08/19	07/12/19	JKR	PHCC10C28 PHCC28C35	
629639-013	S	AH3 (1-1.5')	06/28/19 00:00	E300	Inorganic Anions by EPA 300/300.1	07/08/19	07/26/19	JKR	CL F NO2N NO3N SO4	
629639-013	S	AH3 (1-1.5')	06/28/19 00:00	SW8021B	BTEX by EPA 8021B	07/08/19	07/12/19	JKR	BR4FBZ BZ BZME EBZ X	

Inter-Office Shipment



Page 2 of 2

IOS Number 42630

Date/Time: 07/01/19 15:22

Created by: Elizabeth Mcclellan

Please send report to:

Jessica Kramer

Lab# From: Carlsbad

Delivery Priority:

Address: 1089 N Canal Street

Lab# To: Midland

Air Bill No.: 775613045113

E-Mail: jessica.kramer@xenco.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
629639-014	S	AH3 (2-2.5')	06/28/19 00:00	E300	Inorganic Anions by EPA 300/300.1	07/08/19	07/26/19	JKR	CL F NO2N NO3N SO4	
629639-015	S	AH3 (3-3.5')	06/28/19 00:00	E300	Inorganic Anions by EPA 300/300.1	07/08/19	07/26/19	JKR	CL F NO2N NO3N SO4	
629639-016	S	AH3 (4-4.5')	06/28/19 00:00	E300	Inorganic Anions by EPA 300/300.1	07/08/19	07/26/19	JKR	CL F NO2N NO3N SO4	
629639-017	S	AH4 (0-1')	06/28/19 00:00	SW8021B	BTEX by EPA 8021B	07/08/19	07/12/19	JKR	BR4FBZ BZ BZME EBZ X	
629639-017	S	AH4 (0-1')	06/28/19 00:00	E300	Inorganic Anions by EPA 300/300.1	07/08/19	07/26/19	JKR	CL F NO2N NO3N SO4	
629639-017	S	AH4 (0-1')	06/28/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	07/08/19	07/12/19	JKR	PHCC10C28 PHCC28C35	
629639-018	S	AH4 (1-1.5')	06/28/19 00:00	SW8021B	BTEX by EPA 8021B	07/08/19	07/12/19	JKR	BR4FBZ BZ BZME EBZ X	
629639-018	S	AH4 (1-1.5')	06/28/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	07/08/19	07/12/19	JKR	PHCC10C28 PHCC28C35	
629639-018	S	AH4 (1-1.5')	06/28/19 00:00	E300	Inorganic Anions by EPA 300/300.1	07/08/19	07/26/19	JKR	CL F NO2N NO3N SO4	
629639-019	S	AH4 (2-2.5')	06/28/19 00:00	E300	Inorganic Anions by EPA 300/300.1	07/08/19	07/26/19	JKR	CL F NO2N NO3N SO4	
629639-020	S	AH5 (0-1')	06/28/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	07/08/19	07/12/19	JKR	PHCC10C28 PHCC28C35	
629639-020	S	AH5 (0-1')	06/28/19 00:00	SW8021B	BTEX by EPA 8021B	07/08/19	07/12/19	JKR	BR4FBZ BZ BZME EBZ X	
629639-020	S	AH5 (0-1')	06/28/19 00:00	E300	Inorganic Anions by EPA 300/300.1	07/08/19	07/26/19	JKR	CL F NO2N NO3N SO4	
629639-021	S	AH5 (1-1.5')	06/28/19 00:00	SW8021B	BTEX by EPA 8021B	07/08/19	07/12/19	JKR	BR4FBZ BZ BZME EBZ X	
629639-021	S	AH5 (1-1.5')	06/28/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	07/08/19	07/12/19	JKR	PHCC10C28 PHCC28C35	
629639-021	S	AH5 (1-1.5')	06/28/19 00:00	E300	Inorganic Anions by EPA 300/300.1	07/08/19	07/26/19	JKR	CL F NO2N NO3N SO4	
629639-022	S	AH5 (2-2.5')	06/28/19 00:00	E300	Inorganic Anions by EPA 300/300.1	07/08/19	07/26/19	JKR	CL F NO2N NO3N SO4	
629639-023	S	AH5 (3-3.5')	06/28/19 00:00	E300	Inorganic Anions by EPA 300/300.1	07/08/19	07/26/19	JKR	CL F NO2N NO3N SO4	

Inter Office Shipment or Sample Comments:

Relinquished By:

Elizabeth McClellan

Date Relinquished: <u>07/01/2019</u>

Received By:

Brianna Teel

Date Received: <u>07/02/2019 12:14</u>

Cooler Temperature: 0.6



XENCO Laboratories

Inter Office Report- Sample Receipt Checklist

Sent To: Midland IOS #: 42630

Acceptable Temperature Range: 0 - 6 degC Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used: R8

Sent By:	Elizabeth McClellan	Date Sent:	07/01/2019 03:22 PM
Received By:	Brianna Teel	Date Received:	07/02/2019 12:14 PM

Received By: Brianna Teel	Date Received: 07/02/2019 12:14 P	М	
	Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?		.6	
#2 *Shipping container in good condition?		Yes	
#3 *Samples received with appropriate temperature?		Yes	
#4 *Custody Seals intact on shipping container/ cooler?		Yes	
#5 *Custody Seals Signed and dated for Containers/coolers		Yes	
#6 *IOS present?		Yes	
#7 Any missing/extra samples?		No	
#8 IOS agrees with sample label(s)/matrix?		Yes	
#9 Sample matrix/ properties agree with IOS?		Yes	
#10 Samples in proper container/ bottle?		Yes	
#11 Samples properly preserved?		Yes	
#12 Sample container(s) intact?		Yes	
#13 Sufficient sample amount for indicated test(s)?		Yes	
#14 All samples received within hold time?		Yes	
* Must be completed for after-hours of NonConformance:	lelivery of samples prior to placing in	the refrigerator	
Corrective Action Taken:			
	Nonconformance Documentat	tion	
Contact:	Contacted by :	Date:	
Checklist reviewed by:	Bana Tal	Date: 07/02/2019	

Brianna Teel

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

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 District III
1000 Rio Brazos Rd., Aztec, NM 87410

Phone:(505) 334-6178 Fax:(505) 334-6170

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

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

CONDITIONS

Action 10583

CONDITIONS OF APPROVAL

Operator:		OGRID:	Action Number:	Action Type:
EOG RESOURCES INC P.0	O. Box 2267 Midland, TX79702	7377	10583	C-141

OCD Reviewer	Condition
ceads	None