

PHONE (575) 397-6388 • FAX (575) 397- 0397 • 1324 W. MARLAND • P.O. BOX 805 • HOBBS, NM 88241-0805 E-MAIL: cbrunson@bbcinternational.com

DELINEATION WORKPLAN

OXY – CORRAL FLY GUNBARREL AND AST FACILITY (Leak Date: 12/2/18)

RP # 2RP-5173

This delineation workplan and remediation proposal addresses the releases associated with RP # 2RP-5173.

The following information includes:

- 1. Appropriate completed and signed C-141 pages.
- 2. Scaled digital site map with spill area demarcated and leak point identified along with sample point locations and areas of remediation at appropriate depths.
- 3. GPS information for sample points and sample methodology.
- 4. Depth to groundwater information (i.e., pdf of OSE search results, USGS search results, and/or copy of Chevron groundwater trend map).
- 5. Watercourse/features map within 1000 feet.
- 6. BLM Cave Karst map.
- 7. FEMA National Flood map.
- 8. Laboratory analysis results summary table and original laboratory analysis reports.
- 9. Potentially other pertinent information as necessary for site specific purposes.

Based on the information included in this package and the NMOCD rules, the following remediation is proposed:

OXY will excavate the spill area as depicted on the following site diagram. The entire leak area (BLUE shade on diagram) will be excavated to a depth of 1 foot.

Bottom confirmation samples will be collected at no greater than 50 ft. intervals. Estimated volume of material to be removed is 336 cubic yards. The remediation will be completed within 90 days of plan approval.

The entire site will then be backfilled with clean soil and revegetated (if warranted) to the standards of the appropriate regulatory agency or private surface owner.

All excavated materials will be disposed of at an NMOCD-approved disposal facility.

Form C-141 Page 3

State of New Mexico **Oil Conservation Division**

Incident ID	
District RP	2RP-5173
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?	98 (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:	97		
UNITACIELIZATION REPORT & DECENT	- P.OCH AT THI	t thiinwana Home	y millef ha included in the eenaut
Children and a state of the sta	where wy erec	JUSSUITAISE SECTION	, 11443) US HILIMUSH HI HIE / CVV/L

Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. Field data

Data table of soil contaminant concentration data

Depth to water determination

Determination of water sources and significant watercourses within 1/2-mile of the lateral extents of the release

Boring or excavation logs

Photographs including date and GIS information

Topographic/Aerial maps

Laboratory data including chain of custody

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.

Form C-141	State of New Me	State of New Mexico Oil Conservation Division		
Page 4	Oil Conservation Di			2RP-5173
			Application ID	
regulations all operators ar public health or the environ failed to adequately investi addition, OCD acceptance and/or regulations. Printed Name: Wade Signature:	le Stind	elease notifications and p ort by the OCD does not r pose a threat to groundwa perator of responsibility Title: Env Date:	perform corrective actions for releventer the operator of liability shater, surface water, human health for compliance with any other feature with any other feature with any other feature with any constant of the state of the	ases which may endanger build their operations have or the environment. In deral, state, or local laws
OCD Only				
Received by:		Date		

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Form C-141 Page 5 State of New Mexico Oil Conservation Division

Incident ID	
District RP	2RP-5173
Facility ID	
Application ID	

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Remediation Plan

Remediation Plan Checklist: Each of the following items must be inclu	ided in the plan.
Detailed description of proposed remediation technique	
Scaled sitemap with GPS coordinates showing delineation points Estimated volume of material to be remediated	
Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
Proposed schedule for remediation (note if remediation plan timeline	s more than 90 days OCD approval is required)
Deferral Requests Only: Each of the following items must be confirme	as part of any request for deferral of remediation.
Contamination must be in areas immediately under or around product deconstruction.	
Extents of contamination must be fully delineated.	
Contamination does not cause an imminent risk to human health, the e	nvironment, or groundwater.
I hereby certify that the information given above is true and complete to the rules and regulations all operators are required to report and/or file certain which may endanger public health or the environment. The acceptance of liability should their operations have failed to adequately investigate and r surface water, human health or the environment. In addition, OCD accept responsibility for compliance with any other federal, state, or local laws are	release notifications and perform corrective actions for releases a C-141 report by the OCD does not relieve the operator of emediate contamination that pose a threat to groundwater, ance of a C-141 report does not relieve the operator of d/or regulations.
Printed Name: Wade Dittrich	e: Environmental Coordinator
	: 2-7-19
	ephone: (575) 390-2828
OCD Only	
Received by: Date	
Approved Approved with Attached Conditions of Approv	ral Denied Deferral Approved
Signature: Date:	

Oxy, Corral Fly Gunbarrel and AST Facility

Leak date: 12/2/18 Eddy County, NM 2RP-5173



Legend

1 ft Excavation across entire leak area

100 ft

- Sample points
- Leak area

Google Earth

9 SP1

Oxy, Corral Fly Gunbarrel and AST Facility

Leak Date 12/2/18 Eddy County, NM 2RP-5173 Aerial drone picture taken 2/12/19 to verify leak is on caliche pad that does not exist in the current Google Earth Image. Legend

200 ft



Oxy, Corral Fly Gunbarrel and AST Facility

Sample points

- SP1, N 32.15480 W-103.94755
- SP2, N 32.15480 W-103.94740
- SP3, N 32.15485 W-103.94719
- SP4, N 32.15489 W-103.94698
- SP5, N 32.15493 W-103.94676
- SP6, N 32.15497 W-103.94654
- SP7, N 32.15502 W-103.94632
- NORTH, N 32.15494 W-103.94701
- SOUTH, N 32.15484 W-103.94692
- EAST, N 32.15504 W-103.94619
- WEST, N 32.15477 W-103.94762

Oxy, Corral Fly Gunbarrel & AST U/L P, Section 2, T25S, R29E Groundwater: 175'-200'





National Water Information System: Web Interface USGS Water Resources

Data Category: Groundwater Geographic Area: New Mexico GO

USGS Home Contact USGS Search USGS

Click to hideNews Bulletins

Please see news on new formats
Full News

Groundwater levels for New Mexico

Click to hide state-specific text

Search Results -- 1 sites found

Agency code = usas

site_no list =

• 320956103574301

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 320956103574301 25S.29E.02.11111

Eddy County, New Mexico Latitude 32°09'56", Longitude 103°57'43" NAD27 Land-surface elevation 3,000 feet above NAVD88 The depth of the well is 140 feet below land surface. This well is completed in the Rustler Formation (312RSLR) local aquifer.

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98.10

Output formats Table of data Tab-separated data Graph of data Reselect period 2 Water Water ? level, feet 2 level, feet 2 2 Water Referenced Water-Date Time Waterlevel above vertical datum Method of below Measuring Source of level specific vertical datum level accuracy date Status approval status land surface measurement agency measurement time accuracy

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Explanation							
Section	Code	Description					
Water-level date-time accuracy	D	Date is accurate to the Day					
Water-level accuracy 2		Water level accuracy to nearest hundredth of a foot					
Status		The reported water-level measurement represents a static level					
Method of measurement	U	Unknown method.					
Measuring agency		Not determined					
Source of measurement	U	Source is unknown.					
Water-level approval status	А	Approved for publication Processing and review completed.					

Questions about sites/data? Feedback on this web site Automated retrievals Help Data Tips Explanation of terms Subscribe for system changes News

1958-10-23

Accessibility Plug-Ins FOIA Privacy Policies and Notices <u>U.S. Department of the Interior</u> | <u>U.S. Geological Survey</u> **Title: Groundwater for New Mexico: Water Levels**

URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

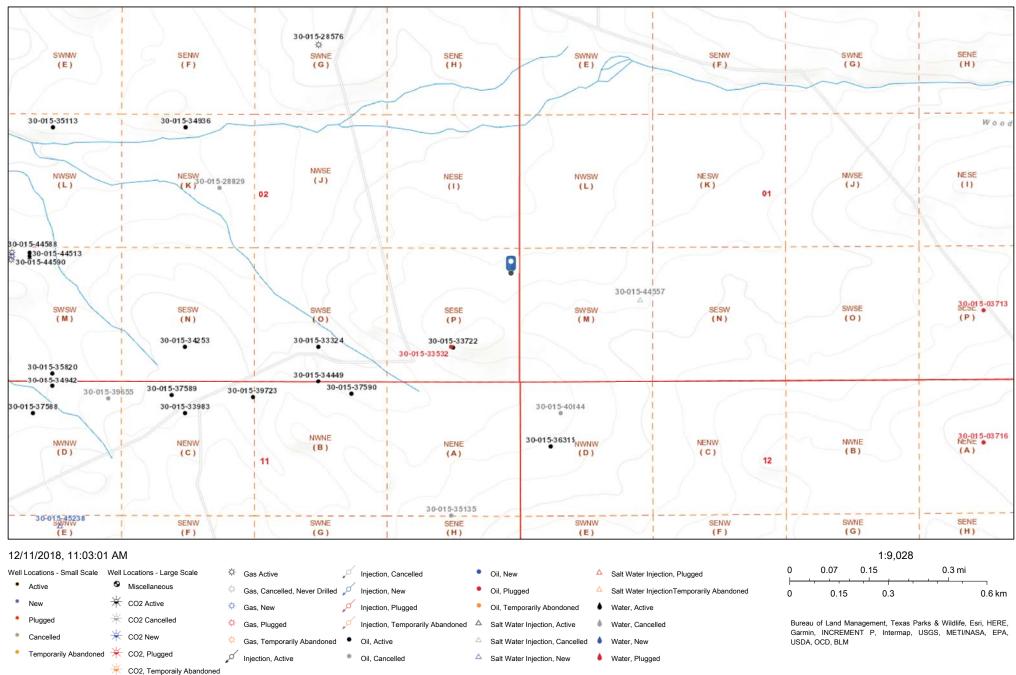
Page Contact Information: <u>New Mexico Water Data Maintainer</u> Page Last Modified: 2018-12-11 14:11:52 EST 0.65 0.58 nadww01

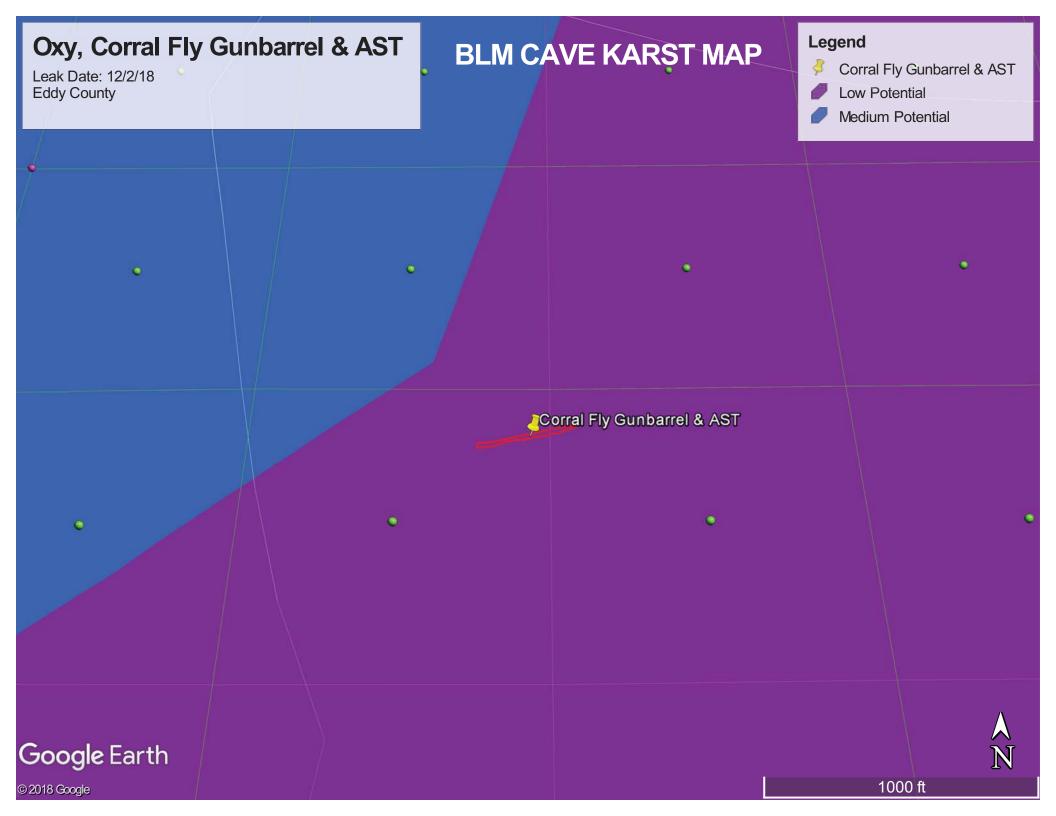


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Corral Fly Gunbarrel & AST Facility, Topo Map with Water Features

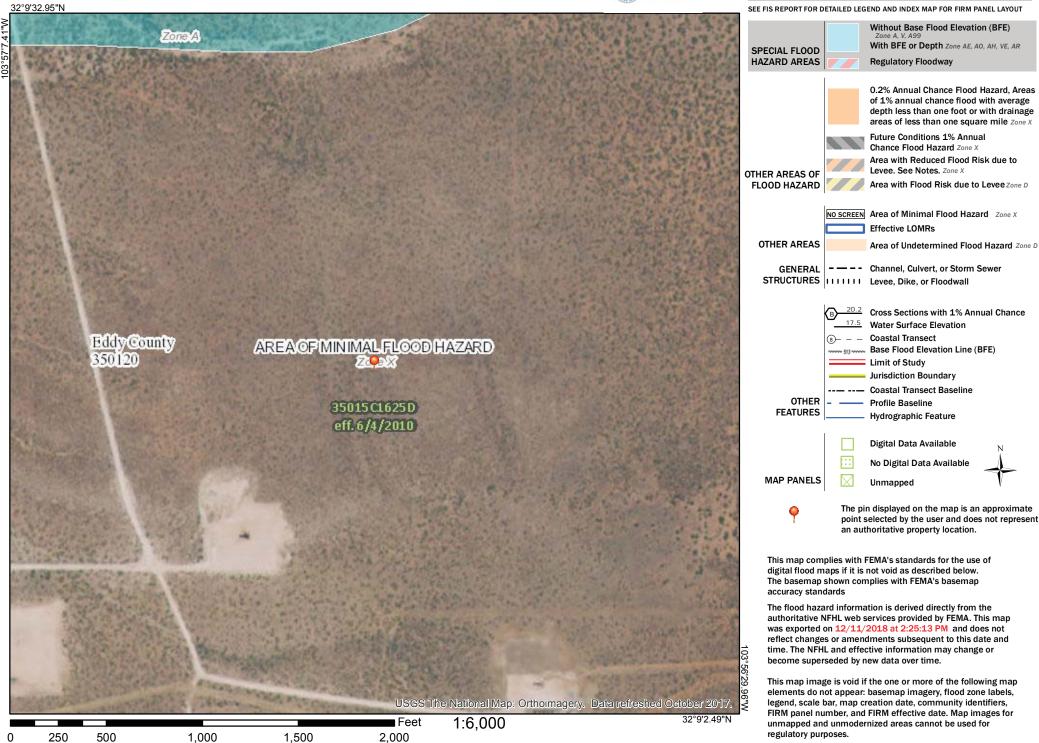




National Flood Hazard Layer FIRMette



Legend



Laboratory Analytical Results Summary Corral Fly Gunbarrel and AST Facility (12/2/18)

r			SP1 @				
		Sample ID	SURFACE	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'
Analyte	Method	Date	12/18/18	12/18/18	12/18/18	12/18/18	12/18/18
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a
Chloride	SM4500CI-B		24000	1260	2360	624	576
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a

			SP2 @				
		Sample ID	SURFACE	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'
Analyte	Method	Date	12/18/18	12/18/18	12/18/18	12/18/18	12/18/18
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a
Chloride	SM4500CI-B		20800	2840	1390	640	608
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a

			SP3 @ SURFACE	002 @ 41			002 @ 4
		Sample ID	SURFACE	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 4'
Analyte	Method	Date	12/18/18	12/18/18	12/18/18	12/18/18	12/18/18
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a
Chloride	SM4500CI-B		20400	4000	944	576	560
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a

			SP4 @				
		Sample ID	SURFACE	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'	SP4 @ 4'
Analyte	Method	Date	12/18/18	12/18/18	12/18/18	12/18/18	12/18/18
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a
Chloride	SM4500CI-B		6500	2400	656	432	432
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a

		Sample ID	SP5 @ SURFACE	SP5 @ 1'	SP5 @ 2'	SP5 @ 3'	SP5 @ 4'	SP5 @ 5'	SP5 @ 6'
Analyte	Method	Date	12/18/18	12/19/18	12/19/18	12/19/18	12/19/18	12/19/18	12/19/18
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500CI-B		5900	12000	848	544	1410	496	32
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a	n/a

		Sample ID	SP6 @ SURFACE	SP6 @ 1'	SP6 @ 2'	SP6 @ 3'	SP6 @ 4'	SP6 @ 5'
Analyte	Method	Date	12/19/18	12/19/18	12/19/18	12/19/18	12/19/18	12/19/18
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		0.295	<0.050	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		0.058	<0.050	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		0.318	<0.150	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		0.671	<0.300	n/a	n/a	n/a	n/a
Chloride	SM4500CI-B		7800	7120	784	768	608	16
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a

		Sample ID	SP7 @ SURFACE	SP7 @ 1'	SP7 @ 2'	SP7 @ 3'	SP7 @ 4'	SP7 @ 5'	SP7 @ 6'
Analyte	Method	Date	12/19/18	12/19/18	12/19/18	12/19/18	12/19/18	12/19/18	12/19/18
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500CI-B		10000	8320	848	528	656	<16.0	16
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a	n/a

			NORTH @	EAST @	WEST @	SOUTH @
		Sample ID	SURFACE	SURFACE	SURFACE	SURFACE
Analyte	Method	Date	12/19/18	12/19/18	12/19/18	12/19/18
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300
Chloride	SM4500CI-B		32	16	16	<16.0
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0



January 07, 2019

Cliff Brunson BBC International, Inc. P.O. Box 805

Hobbs, NM 88241

RE: CORRAL FLY GUNBARREL & AST FACILITY (12/2/18)

Enclosed are the results of analyses for samples received by the laboratory on 12/21/18 8:30.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celecz D. Keine

Celey D. Keene Lab Director/Quality Manager



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241 Fax To: (575) 397-0397

Received:	12/21/2018	Sampling Date:	12/18/2018
Reported:	01/07/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY GUNBARREL & AST FACILIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: SP 1 @ SURFACE (H803753-01)

BTEX 8021B	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/27/2018	ND	2.26	113	2.00	15.1	
Toluene*	<0.050	0.050	12/27/2018	ND	2.25	112	2.00	16.4	
Ethylbenzene*	<0.050	0.050	12/27/2018	ND	2.21	111	2.00	14.3	
Total Xylenes*	<0.150	0.150	12/27/2018	ND	6.80	113	6.00	13.7	
Total BTEX	<0.300	0.300	12/27/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.8	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	24000	16.0	12/28/2018	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2018	ND	196	97.8	200	1.34	
DRO >C10-C28*	<10.0	10.0	12/26/2018	ND	225	113	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	12/26/2018	ND					
Surrogate: 1-Chlorooctane	102 9	% 41-142							
Surrogate: 1-Chlorooctadecane	103 9	% 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241 Fax To: (575) 397-0397

Received:	12/21/2018	Sampling Date:	12/18/2018
Reported:	01/07/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY GUNBARREL & AST FACILIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: SP 1 @ 1' (H803753-02)

BTEX 8021B	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/28/2018	ND	1.93	96.3	2.00	2.30	
Toluene*	<0.050	0.050	12/28/2018	ND	1.89	94.7	2.00	2.87	
Ethylbenzene*	<0.050	0.050	12/28/2018	ND	1.92	96.0	2.00	0.706	
Total Xylenes*	<0.150	0.150	12/28/2018	ND	5.84	97.4	6.00	0.276	
Total BTEX	<0.300	0.300	12/28/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.0	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1260	16.0	12/28/2018	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2018	ND	196	97.8	200	1.34	
DRO >C10-C28*	<10.0	10.0	12/26/2018	ND	225	113	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	12/26/2018	ND					
Surrogate: 1-Chlorooctane	104	% 41-142	,						
Surrogate: 1-Chlorooctadecane	103	% 37.6-14	7						

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Received:	12/21/2018	Sampling Date:	12/18/2018
Reported:	01/07/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY GUNBARREL & AST FACILIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: SP 1 @ 2' (H803753-03)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2360	16.0	12/28/2018	ND	416	104	400	3.77	

Sample ID: SP 1 @ 3' (H803753-04)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	12/31/2018	ND	416	104	400	7.41	

Sample ID: SP 1 @ 4' (H803753-05)

Chloride, SM4500Cl-B	-B mg/kg			Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	12/30/2018	ND	416	104	400	0.00	

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Received:	12/21/2018	Sampling Date:	12/18/2018
Reported:	01/07/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY GUNBARREL & AST FACILIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: SP 2 @ SURFACE (H803753-06)

BTEX 8021B	mg/	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/28/2018	ND	1.93	96.3	2.00	2.30	
Toluene*	<0.050	0.050	12/28/2018	ND	1.89	94.7	2.00	2.87	
Ethylbenzene*	<0.050	0.050	12/28/2018	ND	1.92	96.0	2.00	0.706	
Total Xylenes*	<0.150	0.150	12/28/2018	ND	5.84	97.4	6.00	0.276	
Total BTEX	<0.300	0.300	12/28/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 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	20800	16.0	12/30/2018	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	12/26/2018	ND	196	97.8	200	1.34	
DRO >C10-C28*	<10.0	10.0	12/26/2018	ND	225	113	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	12/26/2018	ND					
Surrogate: 1-Chlorooctane	102 9	% 41-142							
Surrogate: 1-Chlorooctadecane	99.2	% 37.6-14	7						

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Received:	12/21/2018	Sampling Date:	12/18/2018
Reported:	01/07/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY GUNBARREL & AST FACILIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: SP 2 @ 1' (H803753-07)

BTEX 8021B	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/28/2018	ND	1.93	96.3	2.00	2.30	
Toluene*	<0.050	0.050	12/28/2018	ND	1.89	94.7	2.00	2.87	
Ethylbenzene*	<0.050	0.050	12/28/2018	ND	1.92	96.0	2.00	0.706	
Total Xylenes*	<0.150	0.150	12/28/2018	ND	5.84	97.4	6.00	0.276	
Total BTEX	<0.300	0.300	12/28/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 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	2840	16.0	12/30/2018	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	12/26/2018	ND	196	97.8	200	1.34	
DRO >C10-C28*	<10.0	10.0	12/26/2018	ND	225	113	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	12/26/2018	ND					
Surrogate: 1-Chlorooctane	96.8	% 41-142	2						
Surrogate: 1-Chlorooctadecane	95.3	% 37.6-14	7						

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Received:	12/21/2018	Sampling Date:	12/18/2018
Reported:	01/07/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY GUNBARREL & AST FACILIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: SP 2 @ 2' (H803753-08)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1390	16.0	12/30/2018	ND	416	104	400	0.00	

Sample ID: SP 2 @ 3' (H803753-09)

Chloride, SM4500Cl-B mg/kg		Analyze	d By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	12/30/2018	ND	416	104	400	0.00	

Sample ID: SP 2 @ 4' (H803753-10)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	12/30/2018	ND	416	104	400	0.00	

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Received:	12/21/2018	Sampling Date:	12/18/2018
Reported:	01/07/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY GUNBARREL & AST FACILIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: SP 3 @ SURFACE (H803753-11)

BTEX 8021B	mg/kg		Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/28/2018	ND	1.93	96.3	2.00	2.30	
Toluene*	<0.050	0.050	12/28/2018	ND	1.89	94.7	2.00	2.87	
Ethylbenzene*	<0.050	0.050	12/28/2018	ND	1.92	96.0	2.00	0.706	
Total Xylenes*	<0.150	0.150	12/28/2018	ND	5.84	97.4	6.00	0.276	
Total BTEX	<0.300	0.300	12/28/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 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	20400	16.0	12/30/2018	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	12/26/2018	ND	196	97.8	200	1.34	
DRO >C10-C28*	<10.0	10.0	12/26/2018	ND	225	113	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	12/26/2018	ND					
Surrogate: 1-Chlorooctane	102 9	% 41-142							
Surrogate: 1-Chlorooctadecane	100 9	% 37.6-14	7						

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Received:	12/21/2018	Sampling Date:	12/18/2018
Reported:	01/07/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY GUNBARREL & AST FACILIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: SP 3 @ 1' (H803753-12)

BTEX 8021B	mg/kg		Analyze	Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/28/2018	ND	1.93	96.3	2.00	2.30	
Toluene*	<0.050	0.050	12/28/2018	ND	1.89	94.7	2.00	2.87	
Ethylbenzene*	<0.050	0.050	12/28/2018	ND	1.92	96.0	2.00	0.706	
Total Xylenes*	<0.150	0.150	12/28/2018	ND	5.84	97.4	6.00	0.276	
Total BTEX	<0.300	0.300	12/28/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.4	% 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	4000	16.0	12/30/2018	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	12/26/2018	ND	196	97.8	200	1.34	
DRO >C10-C28*	<10.0	10.0	12/26/2018	ND	225	113	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	12/26/2018	ND					
Surrogate: 1-Chlorooctane	107 :	% 41-142	2						
Surrogate: 1-Chlorooctadecane	106	% 37.6-14	7						

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Received:	12/21/2018	Sampling Date:	12/18/2018
Reported:	01/07/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY GUNBARREL & AST FACILIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: SP 3 @ 2' (H803753-13)

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	12/30/2018	ND	416	104	400	0.00	

Sample ID: SP 3 @ 3' (H803753-14)

Chloride, SM4500Cl-B	mg/	′kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	12/30/2018	ND	416	104	400	0.00	

Sample ID: SP 3 @ 4' (H803753-15)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	12/30/2018	ND	416	104	400	0.00	

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Received:	12/21/2018	Sampling Date:	12/18/2018
Reported:	01/07/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY GUNBARREL & AST FACILIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: SP 4 @ SURFACE (H803753-16)

BTEX 8021B	mg/	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/28/2018	ND	1.93	96.3	2.00	2.30	
Toluene*	<0.050	0.050	12/28/2018	ND	1.89	94.7	2.00	2.87	
Ethylbenzene*	<0.050	0.050	12/28/2018	ND	1.92	96.0	2.00	0.706	
Total Xylenes*	<0.150	0.150	12/28/2018	ND	5.84	97.4	6.00	0.276	
Total BTEX	<0.300	0.300	12/28/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.0	% 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	6500	16.0	12/30/2018	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	12/26/2018	ND	196	97.8	200	1.34	
DRO >C10-C28*	<10.0	10.0	12/26/2018	ND	225	113	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	12/26/2018	ND					
Surrogate: 1-Chlorooctane	110 9	% 41-142	,						
Surrogate: 1-Chlorooctadecane	108 9	% 37.6-14	7						

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Received:	12/21/2018	Sampling Date:	12/18/2018
Reported:	01/07/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY GUNBARREL & AST FACILIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: SP 4 @ 1' (H803753-17)

BTEX 8021B	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/28/2018	ND	1.93	96.3	2.00	2.30	
Toluene*	<0.050	0.050	12/28/2018	ND	1.89	94.7	2.00	2.87	
Ethylbenzene*	<0.050	0.050	12/28/2018	ND	1.92	96.0	2.00	0.706	
Total Xylenes*	<0.150	0.150	12/28/2018	ND	5.84	97.4	6.00	0.276	
Total BTEX	<0.300	0.300	12/28/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.3	% 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	2400	16.0	12/30/2018	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	12/27/2018	ND	188	93.9	200	0.658	
DRO >C10-C28*	<10.0	10.0	12/27/2018	ND	214	107	200	8.03	
EXT DRO >C28-C36	<10.0	10.0	12/27/2018	ND					
Surrogate: 1-Chlorooctane	97.3	% 41-142							
Surrogate: 1-Chlorooctadecane	99.4	% 37.6-14	7						

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Received:	12/21/2018	Sampling Date:	12/18/2018
Reported:	01/07/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY GUNBARREL & AST FACILIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: SP 4 @ 2' (H803753-18)

Chloride, SM4500Cl-B	mg	ng/kg A		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	12/30/2018	ND	416	104	400	0.00	

Sample ID: SP 4 @ 3' (H803753-19)

Chloride, SM4500Cl-B	mg	/kg	Analyze	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	12/30/2018	ND	416	104	400	0.00		

Sample ID: SP 4 @ 4' (H803753-20)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	12/30/2018	ND	416	104	400	0.00	

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Received:	12/21/2018	Sampling Date:	12/18/2018
Reported:	01/07/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY GUNBARREL & AST FACILIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: SP 5 @ SURFACE (H803753-21)

BTEX 8021B	mg/	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/28/2018	ND	1.93	96.3	2.00	2.30	
Toluene*	<0.050	0.050	12/28/2018	ND	1.89	94.7	2.00	2.87	
Ethylbenzene*	<0.050	0.050	12/28/2018	ND	1.92	96.0	2.00	0.706	
Total Xylenes*	<0.150	0.150	12/28/2018	ND	5.84	97.4	6.00	0.276	
Total BTEX	<0.300	0.300	12/28/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.1	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5900	16.0	12/30/2018	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	12/27/2018	ND	188	93.9	200	0.658	
DRO >C10-C28*	<10.0	10.0	12/27/2018	ND	214	107	200	8.03	
EXT DRO >C28-C36	<10.0	10.0	12/27/2018	ND					
Surrogate: 1-Chlorooctane	86.8	% 41-142	,						
Surrogate: 1-Chlorooctadecane	85.9	% 37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241 Fax To: (575) 397-0397

Received:	12/21/2018	Sampling Date:	12/19/2018
Reported:	01/07/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY GUNBARREL & AST FACILIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: SP 5 @ 1' (H803753-22)

BTEX 8021B	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/28/2018	ND	1.93	96.3	2.00	2.30	
Toluene*	<0.050	0.050	12/28/2018	ND	1.89	94.7	2.00	2.87	
Ethylbenzene*	<0.050	0.050	12/28/2018	ND	1.92	96.0	2.00	0.706	
Total Xylenes*	<0.150	0.150	12/28/2018	ND	5.84	97.4	6.00	0.276	
Total BTEX	<0.300	0.300	12/28/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.8	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12000	16.0	12/30/2018	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	12/27/2018	ND	188	93.9	200	0.658	
DRO >C10-C28*	<10.0	10.0	12/27/2018	ND	214	107	200	8.03	
EXT DRO >C28-C36	<10.0	10.0	12/27/2018	ND					
Surrogate: 1-Chlorooctane	106 9	% 41-142							
Surrogate: 1-Chlorooctadecane	106 9	% 37.6-14	7						

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Received:	12/21/2018	Sampling Date:	12/19/2018
Reported:	01/07/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY GUNBARREL & AST FACILIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: SP 5 @ 2' (H803753-23)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	848	16.0	12/30/2018	ND	416	104	400	0.00	

Sample ID: SP 5 @ 3' (H803753-24)

Chloride, SM4500Cl-B	mg	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	12/30/2018	ND	416	104	400	0.00	

Sample ID: SP 5 @ 4' (H803753-25)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1410	16.0	12/30/2018	ND	416	104	400	0.00	QM-07

Sample ID: SP 5 @ 5' (H803753-26)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	12/30/2018	ND	416	104	400	0.00	

Sample ID: SP 5 @ 6' (H803753-27)

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	12/30/2018	ND	416	104	400	0.00	

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Received:	12/21/2018	Sampling Date:	12/19/2018
Reported:	01/07/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY GUNBARREL & AST FACILIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: SP 6 @ SURFACE (H803753-28)

BTEX 8021B	mg/	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/28/2018	ND	1.93	96.3	2.00	2.30	
Toluene*	0.295	0.050	12/28/2018	ND	1.89	94.7	2.00	2.87	
Ethylbenzene*	0.058	0.050	12/28/2018	ND	1.92	96.0	2.00	0.706	
Total Xylenes*	0.318	0.150	12/28/2018	ND	5.84	97.4	6.00	0.276	
Total BTEX	0.671	0.300	12/28/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.9	% 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	7800	16.0	12/30/2018	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	12/27/2018	ND	188	93.9	200	0.658	
DRO >C10-C28*	<10.0	10.0	12/27/2018	ND	214	107	200	8.03	
EXT DRO >C28-C36	<10.0	10.0	12/27/2018	ND					
Surrogate: 1-Chlorooctane	84.5	% 41-142	,						
Surrogate: 1-Chlorooctadecane	82.9	% 37.6-14	7						

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Received:	12/21/2018	Sampling Date:	12/19/2018
Reported:	01/07/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY GUNBARREL & AST FACILIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: SP 6 @ 1' (H803753-29)

BTEX 8021B	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/28/2018	ND	1.93	96.3	2.00	2.30	
Toluene*	<0.050	0.050	12/28/2018	ND	1.89	94.7	2.00	2.87	
Ethylbenzene*	<0.050	0.050	12/28/2018	ND	1.92	96.0	2.00	0.706	
Total Xylenes*	<0.150	0.150	12/28/2018	ND	5.84	97.4	6.00	0.276	
Total BTEX	<0.300	0.300	12/28/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 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	7120	16.0	12/30/2018	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	12/27/2018	ND	188	93.9	200	0.658	
DRO >C10-C28*	<10.0	10.0	12/27/2018	ND	214	107	200	8.03	
EXT DRO >C28-C36	<10.0	10.0	12/27/2018	ND					
Surrogate: 1-Chlorooctane	97.2	% 41-142	2						
Surrogate: 1-Chlorooctadecane	96.8	% 37.6-14	7						

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Received:	12/21/2018	Sampling Date:	12/19/2018
Reported:	01/07/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY GUNBARREL & AST FACILIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: SP 6 @ 2' (H803753-30)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	12/30/2018	ND	416	104	400	0.00	

Sample ID: SP 6 @ 3' (H803753-31)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	12/30/2018	ND	416	104	400	0.00	

Sample ID: SP 6 @ 4' (H803753-32)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	12/30/2018	ND	416	104	400	0.00	

Sample ID: SP 6 @ 5' (H803753-33)

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	12/30/2018	ND	416	104	400	0.00	

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Received:	12/21/2018	Sampling Date:	12/19/2018
Reported:	01/07/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY GUNBARREL & AST FACILIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: SP 7 @ SURFACE (H803753-34)

BTEX 8021B	mg/	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/28/2018	ND	1.93	96.3	2.00	2.30	
Toluene*	<0.050	0.050	12/28/2018	ND	1.89	94.7	2.00	2.87	
Ethylbenzene*	<0.050	0.050	12/28/2018	ND	1.92	96.0	2.00	0.706	
Total Xylenes*	<0.150	0.150	12/28/2018	ND	5.84	97.4	6.00	0.276	
Total BTEX	<0.300	0.300	12/28/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10000	16.0	12/30/2018	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	12/27/2018	ND	187	93.6	200	0.948	
DRO >C10-C28*	<10.0	10.0	12/27/2018	ND	202	101	200	6.58	
EXT DRO >C28-C36	<10.0	10.0	12/27/2018	ND					
Surrogate: 1-Chlorooctane	79.4	% 41-142							
Surrogate: 1-Chlorooctadecane	84.8	% 37.6-14	7						

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Received:	12/21/2018	Sampling Date:	12/19/2018
Reported:	01/07/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY GUNBARREL & AST FACILIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: SP 7 @ 1' (H803753-35)

BTEX 8021B	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/28/2018	ND	1.93	96.3	2.00	2.30	
Toluene*	<0.050	0.050	12/28/2018	ND	1.89	94.7	2.00	2.87	
Ethylbenzene*	<0.050	0.050	12/28/2018	ND	1.92	96.0	2.00	0.706	
Total Xylenes*	<0.150	0.150	12/28/2018	ND	5.84	97.4	6.00	0.276	
Total BTEX	<0.300	0.300	12/28/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.3	% 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	8320	16.0	12/30/2018	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	12/27/2018	ND	187	93.6	200	0.948	
DRO >C10-C28*	<10.0	10.0	12/27/2018	ND	202	101	200	6.58	
EXT DRO >C28-C36	<10.0	10.0	12/27/2018	ND					
Surrogate: 1-Chlorooctane	80.3	% 41-142	,						
Surrogate: 1-Chlorooctadecane	82.6	% 37.6-14	7						

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Received:	12/21/2018	Sampling Date:	12/19/2018
Reported:	01/07/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY GUNBARREL & AST FACILIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: SP 7 @ 2' (H803753-36)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	848	16.0	12/30/2018	ND	416	104	400	0.00	

Sample ID: SP 7 @ 3' (H803753-37)

Chloride, SM4500Cl-B	mg	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	12/30/2018	ND	416	104	400	0.00	

Sample ID: SP 7 @ 4' (H803753-38)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	12/30/2018	ND	416	104	400	0.00	

Sample ID: SP 7 @ 5' (H803753-39)

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	12/31/2018	ND	416	104	400	0.00	

Sample ID: SP 7 @ 6' (H803753-40)

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	12/31/2018	ND	416	104	400	0.00	

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Received:	12/21/2018	Sampling Date:	12/19/2018
Reported:	01/07/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY GUNBARREL & AST FACILIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: NORTH @ SURFACE (H803753-41)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/27/2018	ND	1.87	93.3	2.00	0.687	
Toluene*	<0.050	0.050	12/27/2018	ND	1.93	96.4	2.00	1.53	
Ethylbenzene*	<0.050	0.050	12/27/2018	ND	1.91	95.7	2.00	1.51	
Total Xylenes*	<0.150	0.150	12/27/2018	ND	5.60	93.4	6.00	1.78	
Total BTEX	<0.300	0.300	12/27/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 81.3-12	8						
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	12/31/2018	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	12/27/2018	ND	187	93.6	200	0.948	
DRO >C10-C28*	<10.0	10.0	12/27/2018	ND	202	101	200	6.58	
EXT DRO >C28-C36	<10.0	10.0	12/27/2018	ND					
Surrogate: 1-Chlorooctane	75.1	% 41-142	,						
Surrogate: 1-Chlorooctadecane	75.7	% 37.6-14	7						

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Received:	12/21/2018	Sampling Date:	12/19/2018
Reported:	01/07/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY GUNBARREL & AST FACILIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: EAST @ SURFACE (H803753-42)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/27/2018	ND	1.87	93.3	2.00	0.687	
Toluene*	<0.050	0.050	12/27/2018	ND	1.93	96.4	2.00	1.53	
Ethylbenzene*	<0.050	0.050	12/27/2018	ND	1.91	95.7	2.00	1.51	
Total Xylenes*	<0.150	0.150	12/27/2018	ND	5.60	93.4	6.00	1.78	
Total BTEX	<0.300	0.300	12/27/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	% 81.3-12	8						
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	12/31/2018	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	12/27/2018	ND	187	93.6	200	0.948	
DRO >C10-C28*	<10.0	10.0	12/27/2018	ND	202	101	200	6.58	
EXT DRO >C28-C36	<10.0	10.0	12/27/2018	ND					
Surrogate: 1-Chlorooctane	68.6	% 41-142							
Surrogate: 1-Chlorooctadecane	65.9	% 37.6-14	7						

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Received:	12/21/2018	Sampling Date:	12/19/2018
Reported:	01/07/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY GUNBARREL & AST FACILIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: WEST @ SURFACE (H803753-43)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/27/2018	ND	1.87	93.3	2.00	0.687	
Toluene*	<0.050	0.050	12/27/2018	ND	1.93	96.4	2.00	1.53	
Ethylbenzene*	<0.050	0.050	12/27/2018	ND	1.91	95.7	2.00	1.51	
Total Xylenes*	<0.150	0.150	12/27/2018	ND	5.60	93.4	6.00	1.78	
Total BTEX	<0.300	0.300	12/27/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.8	% 81.3-12	8						
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	12/31/2018	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	12/27/2018	ND	187	93.6	200	0.948	
DRO >C10-C28*	<10.0	10.0	12/27/2018	ND	202	101	200	6.58	
EXT DRO >C28-C36	<10.0	10.0	12/27/2018	ND					
Surrogate: 1-Chlorooctane	74.1	% 41-142	,						
Surrogate: 1-Chlorooctadecane	72.5	% 37.6-14	7						

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BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241 Fax To: (575) 397-0397

Received:	12/21/2018	Sampling Date:	12/19/2018
Reported:	01/07/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY GUNBARREL & AST FACILIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: SOUTH @ SURFACE (H803753-44)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/27/2018	ND	1.87	93.3	2.00	0.687	
Toluene*	<0.050	0.050	12/27/2018	ND	1.93	96.4	2.00	1.53	
Ethylbenzene*	<0.050	0.050	12/27/2018	ND	1.91	95.7	2.00	1.51	
Total Xylenes*	<0.150	0.150	12/27/2018	ND	5.60	93.4	6.00	1.78	
Total BTEX	<0.300	0.300	12/27/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.9	% 81.3-12	8						
Chloride, SM4500Cl-B	/kg	Analyze	d By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/31/2018	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	12/27/2018	ND	187	93.6	200	0.948	
DRO >C10-C28*	<10.0	10.0	12/27/2018	ND	202	101	200	6.58	
EXT DRO >C28-C36	<10.0	10.0	12/27/2018	ND					
Surrogate: 1-Chlorooctane	76.3	% 41-142	,						
Surrogate: 1-Chlorooctadecane	72.8	% 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 28 of 32



RDINAL LABORATORIES

Company Name: BBC International, Inc.

101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST



No. 2			-					DIGE IV									ANA	LYSI	S RE	OUE	ST			
	Project Manager: Cliff Brunson					P.	0. #	ł:				1		1		1	T		Ŭ.	<u> </u>				
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City: Hobbs	State: NM	Zi	p:	882	241				ttn:	-	-	·Diff	rich										'	
Phone #: 575-									ddre			0.11	110									1	'	
Project #:	Project Owne	r: C	Эxy					C	ity:					1									f '	
Project Name:	Corral Fly Gunbarrel & AST Facili				5)				ate:			Zip:											1 /	
Project Locatio	n: Eddy County, NM								none			-ip.												
Sampler Name:			_						Fax #:												()			
FOR LAB USE ONLY		T	Т		P	MATE	RIX			ESE	RV.	SAMPL	ING	1									/	
Lab I.D. <i>H</i> 803253	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINE	GROUNDWATER	WASTEWATER	SOIL	OIL	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	C(BTEX	TPH EX.								
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BILL TO

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affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim's based upon any of the ab

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Page 29 of 32



RDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476

Company Name: BBC International, Inc.										BII	LL TO					ANA	LYSIS	RE	QUES	ST		_
	: Cliff Brunson						1	P.O.	#:													
Address: P.O.	Box 805							Com	ipan	y: (OKY											
City: Hobbs	State: NM	Zip	: 8	824	11			Attn	:	W.	Diffr	ich										
Phone #: 575-3								Add	ress	:												
Project #:	Project Owner							City	8													
Project Name: (Corral Fly Gunbarrel & AST Facility			/18)				Stat	e:		Zip:											
	n: Eddy County, NM							Phone #:														
Sampler Name:																		ľ				
FOR LAB USE ONLY			Γ		MA	TRIX		F	RES	ERV.	SAMPLI	NG										
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER :	ACID/BASE:	OTHER:	DATE	ТІМЕ	CI	8 TeX	TPH EXT							
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affiliates or successors arising out of or related to the performance	of services hereunder by Cardinal, regar	diess of whether such claim is basi	ed upon any of the above stated re	asons or otherwise.			
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 30 of 32



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SP5 @ SURFACE

SP6 @ SURFACE

SP5 @ 1

SP5 @ 2'

SP5 @ 3'

SP5 @ 4'

SP5 @ 5'

SP5 @ 6'

SP6 @ 1'

SP6 @ 2'

RDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476

Company Name: BBC International, Inc. BILL TO ANALYSIS REQUEST Project Manager: Cliff Brunson P.O. #: Address: P.O. Box 805 9120 Company: city: Hobbs State: NM Zip: 88241 Attn: W. Phone #: 575-397-6388 Fax #: 575-397-0397 Address: Project #: Project Owner: Oxy City: Project Name: Corral Fly Gunbarrel & AST Facility (12/2/18) State: Zip: Project Location: Eddy County, NM Phone #: Sampler Name: **Jeff Ornelas** Fax #: FOR LAB USE ONLY MATRIX PRESERV. SAMPLING O(G)RAB OR (C)OMP GROUNDWATER CONTAINERS WASTEWATER Lab I.D. Sample I.D. ACID/BASE: CE / COOL TP# SLUDGE OTHER: RR) OTHER SOIL 3 H803753 OIL DATE TIME

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affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether and all

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 31 of 32



ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476

Company Name	BBC International, Inc.									BI	LL TO	en e				ANAI	YSIS	RE	QUE	ST		
Project Manage	r: Cliff Brunson							P.C). #:													
Address: P.O.	Box 805							Co	mpa	ny:	OKY											
city: Hobbs	State: NM	Zip	: 8	824	1			Att	n:	U	1. Sitty	joh										
Phone #: 575-3	397-6388 Fax #: 575-	39	7-0	397				Ad	dres	s:												
Project #:	Project Owner	: 0	xy					Cit	y:													
Project Name:(Corral Fly Gunbarrel & AST Facility	y (1	2/2	/18)				Sta	te:		Zip:											
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FOR LAB USE ONLY					MA	TRE	x		PRE	SERV	SAMPL	NG	1									
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affiliates or successors arising out of or related to the performant	ce of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above	stated reasons or otherwise.			
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Page 32 of 32



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

(505) 393-2326 FAX (505) 393-2476

Company Name: BBC International, Inc.							B	ILL TO	nin cirtanan Nin Nibihian				ŀ	ANAL	YSIS	S REG	QUE	ST			
Project Manage	r: Cliff Brunson					Ρ.	0. #:														
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city: Hobbs	State: NM	Zip	: 8	3824	41	A	ttn:	U	J. Kith	ch			15								×
Phone #: 575-	397-6388 Fax #: 575-	-39	7-0	397	6	A	ddres	s:	500												
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Sampler Name:	Jeff Ornelas					Fa	ax #:				1										
FOR LAB USE ONLY				_	MATRIX		PRE	SERV	SAMPL	NG											
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