

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/REMEDIATION WORKPLAN

OXY - MESQUITE MOUTRAY SWD

(Leak Date: 7/6/19)

RP # 2RP-5584

This delineation workplan and remediation proposal addresses the releases associated with RP # 2RP-5584.

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 leak near SP1, SP2, SP5 and SP6 (BLUE shade on diagram) will be excavated to a depth of 2 feet. The leak area near SP3 (PURPLE shade on diagram) will be excavated to a depth of 3 feet. The leak area near SP4 (GREEN shade on diagram) will be excavated to a depth of 4 feet.

Bottom confirmation samples will be collected every 75 feet.

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-5584
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?	52' (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)?						
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?						
Are the lateral extents of the release overlying an unstable area such as karst geology?						
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?						
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil					
Characterization Report Checklist: Each of the following items must be included in the report.						
Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring 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.

Form C-141 Page 4

State of New Mexico Oil Conservation Division

Incident ID	
District RP	2RP-5584
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 not 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.	ifications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have eat to groundwater, surface water, human health or the environment. In
Printed Name: Wade Dittrich	Title: Environmental Coordinator
Signature: hale hatter	Date: 11-579
email: wade_dittrich@oxy.com	Telephone: (575) 390-2828
OCD Only	
Received by:	Date:

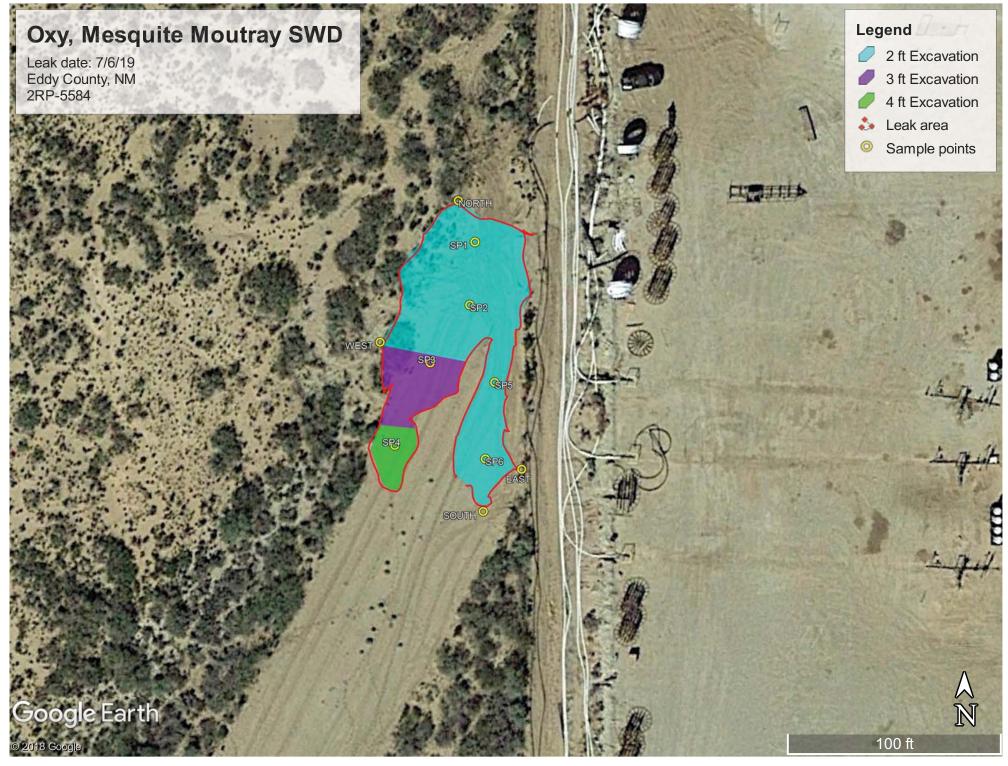
Form C-141 Page 5

State of New Mexico Oil Conservation Division

Incident ID		
District RP	2RP-5584	
Facility ID		
Application ID		

Remediation Plan

Remediation Plan Checklist: Each of the following items must be included 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 is more than 90 days OCD approval is required)						
- 1 opessed semediation (note in remediation plan uniforme is more than 70 days OCD approval is required)						
<u>Deferral Requests Only</u> : Each of the following items must be confirmed as part of any request for deferral of remediation.						
Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.						
Extents of contamination must be fully delineated.						
Contamination does not cause an imminent risk to human health, the environment, or groundwater.						
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for release						
which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of						
liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater.						
surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of						
responsibility for compliance with any other federal, state, or local laws and/or regulations.						
Printed Name: Wade Dittrich Title: Environmental Coordinator						
Signature: 126/17/17 Date: 16-5-19						
email: wade_dittrich@oxy.com Telephone: (575) 390-2828						
Telephone: Telephone:						
OCD Only						
Received by: Date:						
☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved						
Signature: Date:						
Date.						



Oxy, Mesquite Moutray SWD

Sample points

SP1, N 32.19897 W-103.98095

SP2, N 32.19889 W-103.98096

SP3, N 32.19881 W-103.98102

SP4, N 32.19871 W-103.98108

SP5, N 32.19879 W-103.98092

SP6, N 32.19869 W-103.98094

NORTH, N 32.19902 W-103.98098

SOUTH, N 32.19862 W-103.98094

EAST, N 32.19868 W-103.98088

WEST, N 32.19884 W-103.98110

Oxy, Mesquite Moutray SWD Facility
U/L P, Section 21, T24S, R29E
Groundwater: 75'-100'





USGS Home Contact USGS Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:	Geographic Area:		
Groundwater ~	New Mexico	~	GO

Click to hideNews Bulletins

- Introducing The Next Generation of USGS Water Data for the Nation
- Full News

Groundwater levels for New Mexico

Click to hide state-specific text

Search Results -- 1 sites found

Agency code = usgs site_no list =

321355104012001

Minimum number of levels = 1

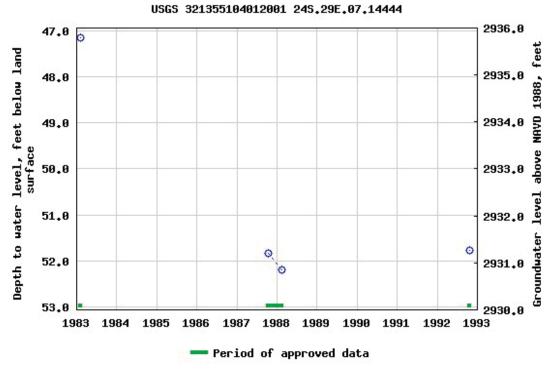
Save file of selected sites to local disk for future upload

USGS 321355104012001 24S.29E.07.14444

Available data for this site	Groundwater:	Field measurements	~	GO	
Eddy County, New Mexico					
Hydrologic Unit Code					
Latitude 32°13'55", Longit	ude 104°01	L'20" NAD27			
Land-surface elevation 2,98	83 feet abo	ve NAVD88			
The depth of the well is 160	0 feet below	v land surface.			
This well is completed in th	e Castile Fo	rmation (312CST	L) Ic	ocal aq	uifer.

Output formats

Table of data	
Tab-separated data	
Graph of data	
Reselect period	



Breaks in the plot represent a gap of at least one year between field measurements.

Download a presentation-quality graph

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

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?

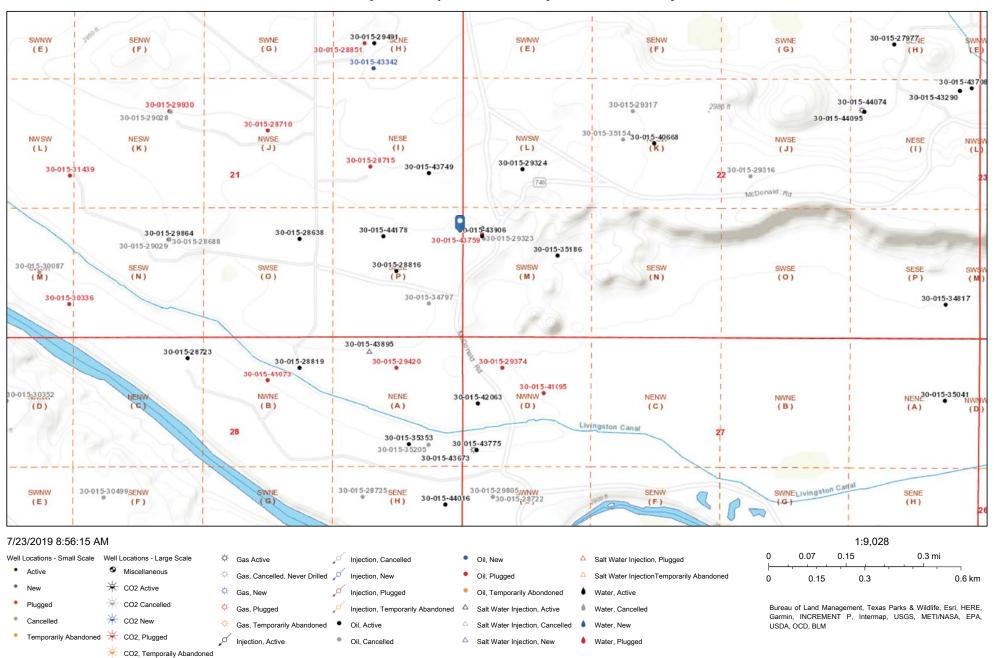
Page Contact Information: <u>New Mexico Water Data Maintainer</u>

Page Last Modified: 2019-07-23 11:10:54 EDT

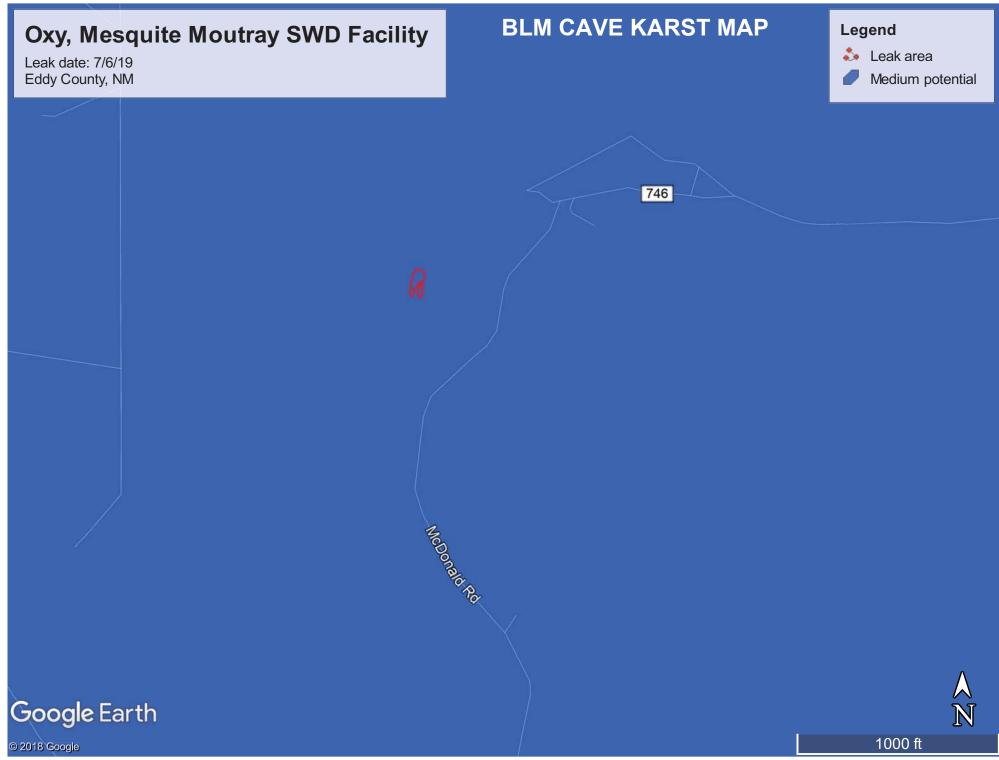
0.92 0.87 nadww02



Oxy, Mesquite Moutray SWD Facility



New Mexico Oil Conservation Division NM OCD Oil and Gas Map. http://nm-emnrd.maps.arcgis.com/apps/webappviewer/: New Mexico Oil Conservation Division



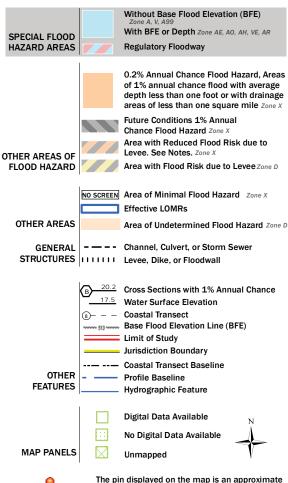
National Flood Hazard Layer FIRMette





Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT



This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

point selected by the user and does not represent

an authoritative property location.

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 7/23/2019 at 11:24:44 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Laboratory Analytical Results Summary Mesquite Moutray SWD Facility (7/6/19)

		Sample ID	NORTH @ SURFACE	EAST @ SURFACE	WEST @ SURFACE	SOUTH @ SURFACE
Analyte	Method	Date	10/14/19	10/14/19	10/14/19	10/14/19
			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		80	48	48	64
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

			SP1 @				
		Sample ID	SURFACE	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'
Analyte	Method	Date	10/14/19	10/14/19	10/14/19	10/14/19	10/14/19
			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		128	2080	448	144	192
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a
DRO	TPH 8015M		2970	23.3	n/a	n/a	n/a
EXT DRO	TPH 8015M		882	14.1	n/a	n/a	n/a

		Sample ID	SP2 @ SURFACE	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'
Analyte	Method	Date	10/14/19	10/14/19	10/14/19	10/14/19	10/14/19
			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		8930	560	672	224	160
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a
DRO	TPH 8015M		2190	<10.0	n/a	n/a	n/a
EXT DRO	TPH 8015M		709	<10.0	n/a	n/a	n/a

		Sample ID	SP3 @ SURFACE	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 4'	SP3 @ 5'
Analyte	Method	Date	10/14/19	10/14/19	10/14/19	10/14/19	10/14/19	10/14/19
Analyto	Mictilica	Duto	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Bannana	BTEX 8021B							
Benzene	DIEX OUZID		<0.050	<0.050	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		< 0.050	< 0.050	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a	n/a
Chloride	SM4500CI-B		11100	496	768	704	16	<16.0
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a
DRO	TPH 8015M		3530	<10.0	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		1080	<10.0	n/a	n/a	n/a	n/a

Laboratory Analytical Results Summary Mesquite Moutray SWD Facility (7/6/19)

			SP4 @					
		Sample ID	SURFACE	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'	SP4 @ 4'	SP4 @ 5'
Analyte	Method	Date	10/14/19	10/15/19	10/15/19	10/15/19	10/15/19	10/15/19
			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		<0.050	<0.050	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a	n/a
Chloride	SM4500CI-B		7730	5120	3760	656	240	240
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a
DRO	TPH 8015M		2460	<10.0	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		887	<10.0	n/a	n/a	n/a	n/a

			SP5 @			
		Sample ID	SURFACE	SP5 @ 1'	SP5 @ 2'	SP5 @ 3'
Analyte	Method	Date	10/15/19	10/15/19	10/15/19	10/15/19
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a
Chloride	SM4500CI-B		13400	2240	128	48
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a	n/a

		Camula ID	SP6 @ SURFACE	SP6 @ 1'	SP6 @ 2'	SP6 @ 3'
		Sample ID				
Analyte	Method	Date	10/15/19	10/15/19	10/15/19	10/15/19
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a
Chloride	SM4500CI-B		14200	2320	64	32
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a	n/a



October 28, 2019

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: MESQUITE MOUTRAY SWD

Enclosed are the results of analyses for samples received by the laboratory on 10/21/19 16:30.

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 accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited 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. Keens

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:

BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

10/21/2019

Sampling Date:

10/14/2019

Reported:

10/28/2019

Sampling Type:

Soil

Project Name:

MESQUITE MOUTRAY SWD

Sampling Condition:

Cool & Intact

Project Number:

7/6/2019

Sample Received By:

Tamara Oldaker

Project Location:

OXY-EDDY COUNTY, NM

Sample ID: NORTH @ SURFACE (H903595-01)

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	10/24/2019	ND	1.91	95.3	2.00	2.39	
Toluene*	<0.050	0.050	10/24/2019	ND	1.88	94.1	2.00	1.88	
Ethylbenzene*	<0.050	0.050	10/24/2019	ND	1.91	95.4	2.00	1.95	
Total Xylenes*	<0.150	0.150	10/24/2019	ND	5.73	95.6	6.00	1.89	
Total BTEX	<0.300	0.300	10/24/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.2	% 73.3-12	9						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/24/2019	ND	432	108	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2019	ND	220	110	200	17.2	
DRO >C10-C28*	<10.0	10.0	10/24/2019	ND	225	112	200	22.4	
EXT DRO >C28-C36	<10.0	10.0	10/24/2019	ND					
Surrogate: 1-Chlorooctane	76.8	% 41-142	1						
Surrogate: 1-Chlorooctadecane	76.6	% 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatoveer shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keene

Celey D. Keene, Lab Director/Quality Manager

Page 2 of 28



Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

10/21/2019

Sampling Date:

10/14/2019

Reported:

10/28/2019

Sampling Type:

Soil

Project Name:

MESQUITE MOUTRAY SWD

Sampling Condition:

Cool & Intact

Project Number:

7/6/2019

Sample Received By:

Tamara Oldaker

Project Location:

OXY-EDDY COUNTY, NM

Sample ID: EAST @ SURFACE (H903595-02)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2019	ND	1.91	95.3	2.00	2.39	
Toluene*	<0.050	0.050	10/24/2019	ND	1.88	94.1	2.00	1.88	
Ethylbenzene*	<0.050	0.050	10/24/2019	ND	1.91	95.4	2.00	1.95	
Total Xylenes*	<0.150	0.150	10/24/2019	ND	5.73	95.6	6.00	1.89	
Total BTEX	<0.300	0.300	10/24/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 73.3-12	9						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/24/2019	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2019	ND	220	110	200	17.2	
DRO >C10-C28*	<10.0	10.0	10/24/2019	ND	225	112	200	22.4	
EXT DRO >C28-C36	<10.0	10.0	10/24/2019	ND					
Surrogate: 1-Chlorooctane	84.9	% 41-142	,						
Surrogate: 1-Chlorooctadecane	85.7	% 37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

10/21/2019

Sampling Date:

10/14/2019

Reported:

10/28/2019

Sampling Type:

Soil

Project Name:

MESQUITE MOUTRAY SWD

Sampling Condition:

Cool & Intact

Project Number:

7/6/2019

Sample Received By:

Tamara Oldaker

Project Location:

OXY-EDDY COUNTY, NM

Sample ID: WEST @ SURFACE (H903595-03)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2019	ND	1.91	95.3	2.00	2.39	
Toluene*	<0.050	0.050	10/24/2019	ND	1.88	94.1	2.00	1.88	
Ethylbenzene*	<0.050	0.050	10/24/2019	ND	1.91	95.4	2.00	1.95	
Total Xylenes*	<0.150	0.150	10/24/2019	ND	5.73	95.6	6.00	1.89	
Total BTEX	<0.300	0.300	10/24/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.7	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/24/2019	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2019	ND	220	110	200	17.2	
DRO >C10-C28*	<10.0	10.0	10/24/2019	ND	225	112	200	22.4	
EXT DRO >C28-C36	<10.0	10.0	10/24/2019	ND					
Surrogate: 1-Chlorooctane	85.8	% 41-142	,						
Surrogate: 1-Chlorooctadecane	85.5	% 37.6-14	7						

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Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

10/21/2019

Sampling Date:

10/14/2019

Reported:

10/28/2019

Sampling Type:

Soil

Project Name:

MESQUITE MOUTRAY SWD

Sampling Condition:

Cool & Intact

Project Number:

7/6/2019

Sample Received By:

Tamara Oldaker

Project Location:

OXY-EDDY COUNTY, NM

Sample ID: SOUTH @ SURFACE (H903595-04)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2019	ND	1.91	95.3	2.00	2.39	
Toluene*	<0.050	0.050	10/24/2019	ND	1.88	94.1	2.00	1.88	
Ethylbenzene*	<0.050	0.050	10/24/2019	ND	1.91	95.4	2.00	1.95	
Total Xylenes*	<0.150	0.150	10/24/2019	ND	5.73	95.6	6.00	1.89	
Total BTEX	<0.300	0.300	10/24/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8	% 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	64.0	16.0	10/24/2019	ND	432	108	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2019	ND	220	110	200	17.2	
DRO >C10-C28*	<10.0	10.0	10/24/2019	ND	225	112	200	22.4	
EXT DRO >C28-C36	<10.0	10.0	10/24/2019	ND					
Surrogate: 1-Chlorooctane	84.1	% 41-142	?						
Surrogate: 1-Chlorooctadecane	84.1	% 37.6-14	7						

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Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

10/21/2019

Sampling Date:

10/14/2019

Reported:

10/28/2019

Sampling Type:

Soil

Project Name:

MESQUITE MOUTRAY SWD

Sampling Condition:

Cool & Intact

Project Number:

7/6/2019

Sample Received By:

Tamara Oldaker

Project Location:

OXY-EDDY COUNTY, NM

Sample ID: SP 1 @ SURFACE (H903595-05)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2019	ND	1.91	95.3	2.00	2.39	
Toluene*	<0.050	0.050	10/24/2019	ND	1.88	94.1	2.00	1.88	
Ethylbenzene*	<0.050	0.050	10/24/2019	ND	1.91	95.4	2.00	1.95	
Total Xylenes*	<0.150	0.150	10/24/2019	ND	5.73	95.6	6.00	1.89	
Total BTEX	<0.300	0.300	10/24/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.5	% 73.3-12	9						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	10/24/2019	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2019	ND	220	110	200	17.2	
DRO >C10-C28*	2970	10.0	10/24/2019	ND	225	112	200	22.4	
EXT DRO >C28-C36	882	10.0	10/24/2019	ND					
Surrogate: 1-Chlorooctane	81.6	% 41-142	?						
Surrogate: 1-Chlorooctadecane	209	% 37.6-14	7						

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Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

10/21/2019

Sampling Date:

10/14/2019

Reported:

10/28/2019

Sampling Type:

Soil

Project Name:

MESQUITE MOUTRAY SWD

Sampling Condition:

Cool & Intact

Project Number:

7/6/2019

Sample Received By:

Tamara Oldaker

Project Location:

OXY-EDDY COUNTY, NM

Sample ID: SP 1 @ 1' (H903595-06)

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	10/24/2019	ND	1.91	95.3	2.00	2.39	
Toluene*	<0.050	0.050	10/24/2019	ND	1.88	94.1	2.00	1.88	
Ethylbenzene*	<0.050	0.050	10/24/2019	ND	1.91	95.4	2.00	1.95	
Total Xylenes*	<0.150	0.150	10/24/2019	ND	5.73	95.6	6.00	1.89	
Total BTEX	<0.300	0.300	10/24/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2080	16.0	10/24/2019	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2019	ND	220	110	200	17.2	
DRO >C10-C28*	23.3	10.0	10/24/2019	ND	225	112	200	22.4	
EXT DRO >C28-C36	14.1	10.0	10/24/2019	ND					
Surrogate: 1-Chlorooctane	86.9	% 41-142	?						
Surrogata: 1 Chlorocatadagana	87.2	0/ 3761/	7						

Surrogate: 1-Chlorooctadecane

87.2 %

37.6-147

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Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

10/21/2019

Sampling Date:

10/14/2019

Reported:

10/28/2019

Sampling Type:

Soil

Project Name:

MESQUITE MOUTRAY SWD

Sampling Condition:

Cool & Intact

Project Number:

7/6/2019

Sample Received By:

Tamara Oldaker

Project Location:

OXY-EDDY COUNTY, NM

Sample ID: SP 1 @ 2' (H903595-07)

Chloride, SM4500CI-B	mg	mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	10/24/2019	ND	432	108	400	3.64	
Sample ID: SP 1 @ 3' (H9	03595-08)								
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	10/24/2019	ND	432	108	400	3.64	
Sample ID: SP 1 @ 4' (H9	03595-09)								
Chloride, SM4500CI-B	mg	mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	10/24/2019	ND	432	108	400	3.64	

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Page 8 of 28



Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

10/21/2019

Sampling Date:

10/14/2019

Reported:

10/28/2019

Sampling Type:

Soil

Project Name:

MESQUITE MOUTRAY SWD

Sampling Condition:

Cool & Intact

Project Number:

7/6/2019

Sample Received By:

Tamara Oldaker

Project Location:

OXY-EDDY COUNTY, NM

Sample ID: SP 2 @ SURFACE (H903595-10)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2019	ND	1.91	95.3	2.00	2.39	
Toluene*	<0.050	0.050	10/24/2019	ND	1.88	94.1	2.00	1.88	
Ethylbenzene*	<0.050	0.050	10/24/2019	ND	1.91	95.4	2.00	1.95	
Total Xylenes*	<0.150	0.150	10/24/2019	ND	5.73	95.6	6.00	1.89	
Total BTEX	<0.300	0.300	10/24/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.5	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8930	16.0	10/24/2019	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2019	ND	220	110	200	17.2	
DRO >C10-C28*	2190	10.0	10/24/2019	ND	225	112	200	22.4	
EXT DRO >C28-C36	709	10.0	10/24/2019	ND					
Surrogate: 1-Chlorooctane	78.3	% 41-142	?						
Surrogate: 1-Chlorooctadecane	172 5	% 37.6-14	7						

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Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

10/21/2019

Sampling Date:

10/14/2019

Reported:

10/28/2019

Sampling Type:

Soil

Project Name:

Sampling Condition:

Cool & Intact

Project Number:

7/6/2019

Sample Received By:

Tamara Oldaker

Project Location:

OXY-EDDY COUNTY, NM

MESQUITE MOUTRAY SWD

Sample ID: SP 2 @ 1' (H903595-11)

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	10/24/2019	ND	1.91	95.3	2.00	2.39	
Toluene*	<0.050	0.050	10/24/2019	ND	1.88	94.1	2.00	1.88	
Ethylbenzene*	<0.050	0.050	10/24/2019	ND	1.91	95.4	2.00	1.95	
Total Xylenes*	<0.150	0.150	10/24/2019	ND	5.73	95.6	6.00	1.89	
Total BTEX	<0.300	0.300	10/24/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.7	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	10/24/2019	ND	400	100	400	3.92	QM-07
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2019	ND	220	110	200	17.2	
DRO >C10-C28*	<10.0	10.0	10/25/2019	ND	225	112	200	22.4	
EXT DRO >C28-C36	<10.0	10.0	10/25/2019	ND					
Surrogate: 1-Chlorooctane	83.0	% 41-142)						
Surrogate: 1-Chlorooctadecane	84.0	% 37.6-14	7						

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Page 10 of 28



Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

10/21/2019

Sampling Date:

10/14/2019

Reported:

10/28/2019

Sampling Type:

Soil

Project Name:

MESQUITE MOUTRAY SWD

Sampling Condition:

Cool & Intact

Project Number:

7/6/2019

Sample Received By:

Tamara Oldaker

Project Location:

OXY-EDDY COUNTY, NM

Sample ID: SP 2 @ 2' (H903595-12)

Chloride, SM4500CI-B	600Cl-B mg/kg Analyzed By: AC			d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	10/24/2019	ND	400	100	400	3.92	
Sample ID: SP 2 @ 3' (H90	03595-13)								
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	10/24/2019	ND	400	100	400	3.92	
Sample ID: SP 2 @ 4' (H90	03595-14)								
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	10/24/2019	ND	400	100	400	3.92	

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Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

10/21/2019

Sampling Date:

10/14/2019

Reported:

10/28/2019

Sampling Type:

Soil

Project Name:

MESQUITE MOUTRAY SWD

Sampling Condition:

Cool & Intact

Project Number:

7/6/2019

Sample Received By:

Tamara Oldaker

Project Location:

OXY-EDDY COUNTY, NM

Sample ID: SP 3 @ SURFACE (H903595-15)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2019	ND	1.91	95.3	2.00	2.39	
Toluene*	<0.050	0.050	10/24/2019	ND	1.88	94.1	2.00	1.88	
Ethylbenzene*	<0.050	0.050	10/24/2019	ND	1.91	95.4	2.00	1.95	
Total Xylenes*	< 0.150	0.150	10/24/2019	ND	5.73	95.6	6.00	1.89	
Total BTEX	<0.300	0.300	10/24/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.9	% 73.3-12	9						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11100	16.0	10/24/2019	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2019	ND	220	110	200	17.2	
DRO >C10-C28*	3530	10.0	10/25/2019	ND	225	112	200	22.4	
EXT DRO >C28-C36	1080	10.0	10/25/2019	ND					
Surrogate: 1-Chlorooctane	85.4	% 41-142	?						
Surrogate: 1-Chlorooctadecane	240	% 37.6-14	7						

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Page 12 of 28



Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

10/21/2019

Sampling Date:

10/14/2019

Reported:

10/28/2019

Sampling Type:

Soil

Project Name:

MESQUITE MOUTRAY SWD

Sampling Condition:

Cool & Intact

Project Number:

7/6/2019

Sample Received By:

Tamara Oldaker

Project Location:

OXY-EDDY COUNTY, NM

Sample ID: SP 3 @ 1' (H903595-16)

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	10/24/2019	ND	1.91	95.3	2.00	2.39	
Toluene*	<0.050	0.050	10/24/2019	ND	1.88	94.1	2.00	1.88	
Ethylbenzene*	<0.050	0.050	10/24/2019	ND	1.91	95.4	2.00	1.95	
Total Xylenes*	<0.150	0.150	10/24/2019	ND	5.73	95.6	6.00	1.89	
Total BTEX	<0.300	0.300	10/24/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.4	% 73.3-12	9						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	10/24/2019	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2019	ND	208	104	200	1.78	
DRO >C10-C28*	<10.0	10.0	10/24/2019	ND	217	109	200	2.92	QM-07
EXT DRO >C28-C36	<10.0	10.0	10/24/2019	ND					
Surrogate: 1-Chlorooctane	88.8	% 41-142	?						
Surrogate: 1-Chlorooctadecane	99.5	% 37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

10/21/2019

Sampling Date:

10/14/2019

Reported:

Chloride, SM4500Cl-B

10/28/2019

mg/kg

Sampling Type:

Soil

Project Name:

MESQUITE MOUTRAY SWD

Sampling Condition:

Cool & Intact

Project Number:

7/6/2019

Sample Received By:

Tamara Oldaker

Project Location:

OXY-EDDY COUNTY, NM

Sample ID: SP 3 @ 2' (H903595-17)

	9	979		,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	10/24/2019	ND	400	100	400	3.92	
Sample ID: SP 3 @ 3' (H90	3595-18)								
Chloride, SM4500Cl-B	mg/kg		Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	10/24/2019	ND	400	100	400	3.92	
Sample ID: SP 3 @ 4' (H90 Chloride, SM4500Cl-B)3595-19) 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	10/24/2019	ND	400	100	400	3.92	
Sample ID: SP 3 @ 5' (H90	3595-20)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride									

Analyzed By: AC

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

10/21/2019

Sampling Date:

10/14/2019

Reported:

10/28/2019

Sampling Type:

Soil

Project Name:

MESQUITE MOUTRAY SWD

Sampling Condition:

Cool & Intact

Project Number:

7/6/2019

Sample Received By:

Tamara Oldaker

Project Location:

OXY-EDDY COUNTY, NM

Sample ID: SP 4 @ SURFACE (H903595-21)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2019	ND	1.91	95.3	2.00	2.39	
Toluene*	<0.050	0.050	10/24/2019	ND	1.88	94.1	2.00	1.88	
Ethylbenzene*	<0.050	0.050	10/24/2019	ND	1.91	95.4	2.00	1.95	
Total Xylenes*	<0.150	0.150	10/24/2019	ND	5.73	95.6	6.00	1.89	
Total BTEX	<0.300	0.300	10/24/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.6	% 73.3-12	9						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7730	16.0	10/24/2019	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	Analyzed By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2019	ND	208	104	200	2.64	
DRO >C10-C28*	2460	10.0	10/24/2019	ND	211	106	200	2.41	QM-07
EXT DRO >C28-C36	887	10.0	10/24/2019	ND					
Surrogate: 1-Chlorooctane	90.2	% 41-142	!						
Surrogate: 1-Chlorooctadecane	210	% 37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

10/21/2019

Sampling Date:

10/15/2019

Reported:

10/28/2019

Sampling Type:

Soil

Project Name:

MESQUITE MOUTRAY SWD

Sampling Condition:

Cool & Intact

Project Number:

7/6/2019

Sample Received By:

Tamara Oldaker

Project Location:

OXY-EDDY COUNTY, NM

Sample ID: SP 4 @ 1' (H903595-22)

3TEX 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	10/24/2019	ND	1.91	95.3	2.00	2.39	
Toluene*	<0.050	0.050	10/24/2019	ND	1.88	94.1	2.00	1.88	
Ethylbenzene*	<0.050	0.050	10/24/2019	ND	1.91	95.4	2.00	1.95	
Total Xylenes*	<0.150	0.150	10/24/2019	ND	5.73	95.6	6.00	1.89	
Total BTEX	<0.300	0.300	10/24/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8	% 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	5120	16.0	10/24/2019	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2019	ND	208	104	200	2.64	
DRO >C10-C28*	<10.0	10.0	10/24/2019	ND	211	106	200	2.41	
EXT DRO >C28-C36	<10.0	10.0	10/24/2019	ND					
Surrogate: 1-Chlorooctane	103	% 41-142	!						
Surrogate: 1-Chlorooctadecane	107	% 37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

10/21/2019

Sampling Date:

10/15/2019

Reported:

Sampling Type:

Soil

True Value QC

400

Project Name:

10/28/2019

Sampling Condition:

Cool & Intact

Project Number:

7/6/2019

Sample Received By:

Tamara Oldaker

Project Location:

OXY-EDDY COUNTY, NM

Reporting Limit

16.0

Result

240

MESQUITE MOUTRAY SWD

Sample ID: SP 4 @ 2' (H903595-23)

Chloride, SM4500CI-B m	g/kg
------------------------	------

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3760	16.0	10/24/2019	ND	400	100	400	3.92	
Sample ID: SP 4 @ 3' (H90	3595-24)								
Chloride, SM4500CI-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	10/24/2019	ND	400	100	400	3.92	
Sample ID: SP 4 @ 4' (H90	3595-25)								
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	10/24/2019	ND	400	100	400	3.92	
Chloride Sample ID: SP 4 @ 5' (H90		16.0	10/24/2019	ND	400	100	400	3.92	

Method Blank

ND

Analyzed

10/24/2019

BS

400

% Recovery

100

Analyzed By: AC

Cardinal Laboratories

Analyte

Chloride

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RPD

3.92

Qualifier

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Celey D. Keene, Lab Director/Quality Manager

Page 17 of 28



Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

10/21/2019

Sampling Date:

10/15/2019

Reported:

10/28/2019

Sampling Type:

Soil

Project Name:

MESQUITE MOUTRAY SWD

Sampling Condition:

Cool & Intact

Project Number:

7/6/2019

Sample Received By:

Tamara Oldaker

Project Location:

OXY-EDDY COUNTY, NM

Sample ID: SP 5 @ SURFACE (H903595-27)

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	10/24/2019	ND	1.91	95.3	2.00	2.39	
Toluene*	<0.050	0.050	10/24/2019	ND	1.88	94.1	2.00	1.88	
Ethylbenzene*	<0.050	0.050	10/24/2019	ND	1.91	95.4	2.00	1.95	
Total Xylenes*	<0.150	0.150	10/24/2019	ND	5.73	95.6	6.00	1.89	
Total BTEX	<0.300	0.300	10/24/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.3	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13400	16.0	10/24/2019	ND	400	100	400	3.92	
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	10/24/2019	ND	208	104	200	2.64	
DRO >C10-C28*	<10.0	10.0	10/24/2019	ND	211	106	200	2.41	
EXT DRO >C28-C36	<10.0	10.0	10/24/2019	ND					
Surrogate: 1-Chlorooctane	104 5	% 41-142	ı						
Surrogate: 1-Chlorooctadecane	108 9	% 37.6-14	7						

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Page 18 of 28



Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

10/21/2019

Sampling Date:

10/15/2019

Reported:

10/28/2019

Sampling Type:

Soil

Project Name:

MESQUITE MOUTRAY SWD

Sampling Condition:

Cool & Intact

Project Number:

7/6/2019

Sample Received By:

Tamara Oldaker

Project Location:

OXY-EDDY COUNTY, NM

Sample ID: SP 5 @ 1' (H903595-28)

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	10/24/2019	ND	1.91	95.3	2.00	2.39	
Toluene*	<0.050	0.050	10/24/2019	ND	1.88	94.1	2.00	1.88	
Ethylbenzene*	<0.050	0.050	10/24/2019	ND	1.91	95.4	2.00	1.95	
Total Xylenes*	< 0.150	0.150	10/24/2019	ND	5.73	95.6	6.00	1.89	
Total BTEX	<0.300	0.300	10/24/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.0	% 73.3-12	9						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2240	16.0	10/24/2019	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2019	ND	208	104	200	2.64	
DRO >C10-C28*	<10.0	10.0	10/24/2019	ND	211	106	200	2.41	
EXT DRO >C28-C36	<10.0	10.0	10/24/2019	ND					
Surrogate: 1-Chlorooctane	106	% 41-142	?						
Surrogate: 1-Chlorooctadecane	109	% 37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager

Page 19 of 28



Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

10/21/2019

Sampling Date:

10/15/2019

Reported:

10/28/2019

Sampling Type:

Soil

Project Name:

MESQUITE MOUTRAY SWD

Sampling Condition:

Cool & Intact

Project Number:

7/6/2019

Sample Received By:

Tamara Oldaker

Project Location:

Analyte

OXY-EDDY COUNTY, NM

Reporting Limit

16.0

Sample ID: SP 5 @ 2' (H903595-29)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AC

% Recovery

True Value QC

Qualifier

Chloride

Result 128

Analyzed 10/24/2019 Method Blank ND

400

100

400

RPD

3.92

Sample ID: SP 5 @ 3' (H903595-30)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/24/2019	ND	400	100	400	3.92	

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Page 20 of 28



Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

10/21/2019

Sampling Date:

10/15/2019

Reported:

Sampling Type:

Soil

Project Name:

10/28/2019

Sampling Condition:

Cool & Intact

Project Number:

MESQUITE MOUTRAY SWD 7/6/2019

Sample Received By:

Tamara Oldaker

Project Location:

OXY-EDDY COUNTY, NM

Sample ID: SP 6 @ SURFACE (H903595-31)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2019	ND	1.91	95.3	2.00	2.39	
Toluene*	<0.050	0.050	10/24/2019	ND	1.88	94.1	2.00	1.88	
Ethylbenzene*	<0.050	0.050	10/24/2019	ND	1.91	95.4	2.00	1.95	
Total Xylenes*	<0.150	0.150	10/24/2019	ND	5.73	95.6	6.00	1.89	
Total BTEX	<0.300	0.300	10/24/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.3	% 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	14200	16.0	10/24/2019	ND	432	108	400	3.77	QM-07
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2019	ND	208	104	200	2.64	
DRO >C10-C28*	<10.0	10.0	10/24/2019	ND	211	106	200	2.41	
EXT DRO >C28-C36	<10.0	10.0	10/24/2019	ND					
Surrogate: 1-Chlorooctane	101	% 41-142	,						
Surrogate: 1-Chlorooctadecane	104	% 37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager

Page 21 of 28



Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

10/21/2019

Sampling Date:

10/15/2019

Reported:

10/28/2019

Sampling Type:

Soil

Project Name:

MESQUITE MOUTRAY SWD

Sampling Condition:

Cool & Intact

Project Number:

7/6/2019

Sample Received By:

Tamara Oldaker

Project Location:

OXY-EDDY COUNTY, NM

Sample ID: SP 6 @ 1' (H903595-32)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2019	ND	1.91	95.3	2.00	2.39	
Toluene*	<0.050	0.050	10/24/2019	ND	1.88	94.1	2.00	1.88	
Ethylbenzene*	<0.050	0.050	10/24/2019	ND	1.91	95.4	2.00	1.95	
Total Xylenes*	<0.150	0.150	10/24/2019	ND	5.73	95.6	6.00	1.89	
Total BTEX	<0.300	<0.300 0.300		ND					
Surrogate: 4-Bromofluorobenzene (PID	Surrogate: 4-Bromofluorobenzene (PID 96.7 %								
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2320	16.0	10/24/2019	ND	432	108	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	10/24/2019	ND	208	104	200	2.64	
DRO >C10-C28*	<10.0	10.0	10/24/2019	ND	211	106	200	2.41	
EXT DRO >C28-C36	<10.0	10.0	10/24/2019	ND					
Surrogate: 1-Chlorooctane	e: 1-Chlorooctane 104% 41-1-		ı						
Surrogate: 1-Chlorooctadecane	105	% 37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager

Page 22 of 28



Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

10/21/2019

Sampling Date:

10/15/2019

Reported:

10/28/2019

Sampling Type:

Soil

Project Name:

MESQUITE MOUTRAY SWD

Sampling Condition:

Cool & Intact

Project Number:

7/6/2019

Sample Received By:

Tamara Oldaker

Project Location:

OXY-EDDY COUNTY, NM

Sample ID: SP 6 @ 2' (H903595-33)

Chloride, SM4500CI-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	10/24/2019	ND	432	108	400	3.77	
Sample ID: SP 6 @ 3' (H9	03595-34)								
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	10/24/2019	ND	432	108	400	3.77	

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-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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Celey D. Keene, Lab Director/Quality Manager

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES

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

Company Name	Company Name: BBC International, Inc.									BILL TO									ANA	LYSI	SR	EQL	JES	Т		
Project Manage	r: Cliff Brunson							P.0	O. #	:						T		T		-	T	T	Ť	Ī		-
Address: P.O	. Box 805							Со	mp	any	: ()×Y		1												
city: Hobbs	State: NM	Zip	: {	382	41			Att	n:			- /														
Phone #: 575-	397-6388 Fax #: 575	-39	7-0	39	7			Ad	dre	ss:				1												
Project #:	Project Owne	r: 0	ху					Cit	y:					1												
Project Name: MESQUITE MOUTRAY SWD - 7-6-19									ate:			Zip:														
Project Location:									one	#:				1		Ι,	1									
Sampler Name: JEFF ORNELAS									x #:					9			X									
FOR LAB USE ONLY			Г		M	ATRI	X		PRI	ESE	RV.	SAMPL	NG	7		1	11									
		MP		œ											X									- 1		
		(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER									Chlor	M	1 :	7									
Lab I.D.	Sample I.D.	OR	MA	NO.	W		ш		ACID/BASE:	700				7	1	2	1									
		RAB	NO.	no no	STE		SLUDGE	HER	ID/B) C	FE			0	8	2 1	L				1			- 1		
H903595	N		#	GR	§ 8	010	SLI	О	AC	S	OT	DATE	TIME				1 8									
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5	SP1 @ SURFACE	H	H							\downarrow		10-14-19		_	_	-	-									
4	SP1 @ 1'	H		-		4	-			1		10-14-19	100000000000000000000000000000000000000			1.							_			
8	SP1 @ 2' SP1 @ 3'	H	Н	H		+		4	Н	-		10-14-19	288.88	/								4	_			
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10	SP2 @ SURFACE	11	1	-				-				10-14-19	2746557000	_			_				-	_				
PLEASE NOTE: Liability a	nd Damages, Cardinal's liability and client's exclusive remedy for	any clair	m arisi	ing wh	ether bas	ed in c	ontract o	or tor	t, shall	be lin	nited t	10-14-19 to the amount pa	d by the client fo	or the		_										
service. In no event shall C	ng those for negligence and any other cause whatsoever shall be ardinal be liable for incidental or consequental damages, including	deemed withou	d waiv	ed unl ation.	ess made ousiness	in writ	ing and	recei	ved by	Card	final w	within 30 days after	r completion of t	the applicat	ble											
Relinguished B	ng out of or related to the performance of services hereunder by 0	Cardinal	cei	rdless	of whether	r such	claim is	başe	ed upo	n any	of the	above stated re	asons or otherwi	se.					A -1 -111	D.						
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Cool Intac										(Initi	ials)														1

Sample Condition
Cool Intact
Yes Yes
No No † Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



Sampler - UPS - Bus - Other:

SP3 @ 5'

ARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240

Page 26 of 28

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

244

(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 Company: city: Hobbs State: NM Zip: 88241 Attn: Phone #: 575-397-6388 Fax #: 575-397-0397 Address: Proiect #: Project Owner: Oxy City: Project Name: MESQUITE MOUTRAY SWD - 7-6-19 State: Zip: Project Location: Phone #: JEFF ORNELAS Sampler Name: Fax #: FOR LAB USE ONLY Chlorida MATRIX PRESERV. SAMPLING CD (G)RAB OR (C)OMP GROUNDWATER
WASTEWATER
SOIL
OIL
SLUDGE
OTHER: # CONTAINERS X Lab I.D. Sample I.D. ACID/BASE: ICE / COOL 8 H903595 DATE TIME SP2 @ 1' 10-14-19 11:33 17 SP2 @ 2' 10-14-19 11:47 13 SP2 @ 3' 10-14-19 12:12 SP2 @ 4' 10-14-19 12:58 SP3 @ SURFACE 10-14-19 1:15 SP3 @ 1' 10-14-19 1:33 SP3 @ 2' 10-14-19 2:01 SP3 @ 3' 10-14-19 2:22 SP3 @ 4' 10-14-19 2:41

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Relinquished By:	Date: 0-21 - Beceived By:	Phone Result:	□ Yes	□ No	Add'l Phone #:
10/16/10		Fax Result:	☐ Yes	□ No	Add'I Fax #:
16/24/	Time: Binter Jule Jule	REMARKS:			
Relinquished By:	Date: 19-21-19 Received By:				
Harael James	Timey 30 PM January 1/1/daka				
Delivered By: (Circle One)	Sample Condition CHECKED BY:	1			
-01	Cool Intact (Initials)				
Sampler - UPS - Bus - Other:	State 30. Yes Yes				
+ Condition I condition	No No No				

10-14-19 3:01

[†] Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

Page 27 of 28



Company Name: BBC International, Inc.

Project Manager: Cliff Brunson

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST

3 2 4

Address: P.O. Box 805									oan	y:												
city: Hobbs	State: NM	Zip	o: 8	3824	11			Attn:														
Phone #: 575-	397-6388 Fax #: 575	-39	7-0	397				Addre	ess	:												
Project #:	Project Owner	. O	ху					City:														
Project Name:	MESQUITE MOUTRAY SWD - 7-6							State	:		Zip:											
Project Location	n:							Phon	e #	:	•											
Sampler Name:	JEFF ORNELAS							Fax #							7							
FOR LAB USE ONLY	R LAB USE ONLY MATRIX									ERV	SAMPLI	NG	2		Ex Ex							
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analyses. All claims includi	ng those for negligence and any other cause whatsoever shall be ardinal be liable for incidental or consequental damages, including	deeme	d waiv	ed unle	ss made	in writi	ng and	eceived	by C	ardinal	within 30 days after	r completion of the	ne applicat	le								
	ng out of or related to the performance of services hereunder by C	ardina	al, rega		f whethe							asons or otherwis	se.	□ V••		NI-	A -1-111	Di	**			
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Sampler - UPS - Bus - Other: Corrected -3.0: No									4	9.												
† Cardinal cannot accept verbal changes. Please fax written changes to									3 .	176												

BILL TO

P.O. #:

ARDINAL LABORATORIES

Page 28 of 28

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

13000	101 East Marland, Hobbs, NM 88 (505) 393-2326 FAX (505) 393-24		ļ																								
Company Nam	ne: BBC International, Inc.	1000		_				Т		11	BI	LL T	0	10 M To 11					Δ	NΔ	I VSI	IS RI	EQII	IES	T		
Project Manage	er: Cliff Brunson							P.	.0. #								Т		宁	IVA.	10.	T			<u>-</u>		1
Address: P.O). Box 805							C	omp	oan	v:				1												15
city: Hobbs	State: NM	Zi	ip:	882	241				ttn:		1,000															i '	
Phone #: 575-		5-39							ddre																		
Project #:	Project Owns				-				ity:	10																1 /	
Project Name:	MESQUITE MOUTRAY SWD - 7-	-6-1	9		я				tate:			Zip:														1 1	
Project Locatio	on:								hone	200								, [
Sampler Name	Sampler Name: JEFF ORNELAS									:					9		`									1 1	
FOR LAB USE ONLY										RESE	ERV.	SAI	MPLI	NG	6.		1									1 1	
(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL									ACID/BASE:	ICE / COOL	OTHER:	DAT	_	TIME	Chlori	BTEX		1 7 7 1					er.				
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33	SP6 @ 3'	+	H	+	++	1,	+	+	\vdash	+	\vdash	10-15-			~		_	+	_					1			
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service. In no event shall C affiliates or successors arisi		e deemeing withou Cardinal	ed waive out limita al, regar	ved unli itation, l ardless	less mad busines s of whet	ade in wri	riting and	nd recei	eived by	by Card	rdinal wi	vithin 30 day	ys after	r completion of the client, its subsidia asons or otherwis	the applicab aries, se.												
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[†] Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476