

Closure Report

nAPP2117549767

Site Description

Site Name:	OXBOW CC 17 8FED COM 32H
Company:	OXY
Legal Description:	U/L: M, SECTION 17, T24S, R29E
County:	EDDY COUNTY, NM
GPS Coordinates:	N32.21152 W-104.01104

Release Data

Date of Release:	11/5/2019
Type of Release:	FRESH WATER BASED DRILLING MUD
Source of Release:	AIR POCKET CAUSED FRESH WATER BASED DRILLING MUD TO EXIT WELLBORE
Volume of Release:	100 BBLS FRESH WATER BASED DRILLING MUD
Volume Recovered:	70 BBLS FRESH WATER BASED DRILLING MUD

Remediation Specifications

Remediation Parameters	OXY excavated the spill area as depicted on the following site diagram. The leak area (YELLOW) was excavated to a depth of 2 feet. The leak area near SP2 (GREEN shade on diagram) was excavated to a depth of 5 feet. The leak area near SP3 and SP4 (PURPLE shade on diagram) was excavated to a depth of 3 feet. OXY collected bottom and sidewall confirmation samples every 200 square feet.
Remediation Activities:	

Plan Sent to OCD:	FROM CLIFF TO BLM NM AND WADE
OCD Approval of Plan:	FROM @STATE.NM.US TO WADE AND CLIFF
Plan Sent to BLM:	FROM CLIFF TO SPILL@BLM AND WADE
BLM Approval of Plan:	

Supporting Documentation

C 141 PAGE 6		
SITE DIAGRAM	GOOGLE EARTH MAP WITH CONFIRMATION SAMPLES	
PICTURES	CLOSURE PICTURES	
LAB SUMMARY	CLOSURE SAMPLES	
LAB ANALYSIS	CLOSURE SAMPLES	
SAMPLE NOTIFICATION	3/3/2022	

Request for Closure

Based on the completion of the remediation plan as agreed upon, BBC International requests closure approval from NMOCD.

Cliff Brunson, President of BBC International Inc.

5/16/2022

Form C-141

Page 6

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2117549767
District RP	
Facility ID	
Application ID	


Closure

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

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

- ☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☐ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Wade Dittrich Title: Environmental CoordinatorSignature:  Date: 5-12-22email: wade_dittrich@oxy.com Telephone: (575) 390-2828**OCD Only**

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Jennifer Nobui Date: 08/29/2022Printed Name: Jennifer Nobui Title: Environmental Specialist A

From: [Cliff Brunson](#)
To: ["Enviro. OCD, EMNRD"](#)
Cc: ["Wade Dittrich"](#); ["Ken Swinney"](#); ["Jennifer Gilkey"](#); ["Julia French"](#)
Subject: OXY - Oxbow CC17 8FED COM 32H - Sampling Notification
Date: Thursday, March 3, 2022 12:59:09 PM

This is a notification that BBC will conduct confirmation sampling on behalf of OXY at the Oxbow CC 17 8 Fed Com 32H (Incident ID # nAPP2117549767) on Tuesday, March 8th at 9:00 a.m.

Cliff P. Brunson, CEI, CRS
President
BBC International, Inc.
World-Wide Environmental Specialists
Mailing Address:
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Hobbs, NM 88241-0805 USA
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OXBOW CC 17-8 FED COM 32H

LEAK DATE 11/5/19
ID # nAPP2117549767
EDDY CO., NM

Legend

2' EXCAVATION

3' EXCAVATION

5' EXCAVATION

BOTTOM CONFIRMATION SAMPLE



OXBOW CC 17-8 FED COM 32H

LEAK DATE 11/5/19
ID#nAPP2117549767
EDDY CO, NM

Legend

2' EXCAVATION

3' EXCAVATION

5' EXCAVATION

CONFIRMATION SIDEWALL SAMPLES



OXBOW CC 17-8 FED COM 32H (11/5/19)

SIDEWALL 1	N32.211592	W-104.010805
SIDEWALL 2	N32.211382	W-104.010858
SIDEWALL 3	N32.211544	W-104.010988
SIDEWALL 4	N32.211408	W-104.011177
SIDEWALL 5	N32.211369	W-104.011094
SIDEWALL 6	N32.211308	W-104.010971
SIDEWALL 7	N32.211232	W-104.010860
SIDEWALL 8	N32.211250	W-104.010764
SIDEWALL 9	N32.211326	W-104.010732
SIDEWALL 10	N32.211434	W-104.011031
SIDEWALL 11	N32.211473	W-104.011158
SIDEWALL 12	N32.211558	W-104.011233
SIDEWALL 13	N32.211621	W-104.011161
SIDEWALL 14	N32.211648	W-104.011045
SIDEWALL 15	N32.211594	W-104.010990
SIDEWALL 16	N32.211467	W-104.010978
BOTTOM 1	N32.211625	W-104.010967
BOTTOM 2	N32.211626	W-104.010916
BOTTOM 3	N32.211612	W-104.010867
BOTTOM 4	N32.211585	W-104.010824
BOTTOM 5	N32.211595	W-104.010957
BOTTOM 6	N32.211594	W-104.010908
BOTTOM 7	N32.211577	W-104.010870
BOTTOM 8	N32.211562	W-104.010961
BOTTOM 9	N32.211567	W-104.010916
BOTTOM 10	N32.211556	W-104.010848
BOTTOM 11	N32.211550	W-104.010809

OXBOW CC 17-8 FED COM 32H (11/5/19)

BOTTOM 12	N32.211526	W-104.010965
BOTTOM 13	N32.211531	W-104.010916
BOTTOM 14	N32.211531	W-104.010868
BOTTOM 15	N32.211518	W-104.010821
BOTTOM 16	N32.211485	W-104.010794
BOTTOM 17	N32.211488	W-104.010961
BOTTOM 18	N32.211492	W-104.010914
BOTTOM 19	N32.211501	W-104.010872
BOTTOM 20	N32.211485	W-104.010837
BOTTOM 21	N32.211464	W-104.010808
BOTTOM 22	N32.211454	W-104.010947
BOTTOM 23	N32.211454	W-104.010901
BOTTOM 24	N32.211464	W-104.010858
BOTTOM 25	N32.211426	W-104.010869
BOTTOM 26	N32.211422	W-104.010914
BOTTOM 27	N32.211402	W-104.010847
BOTTOM 28	N32.211418	W-104.010803
BOTTOM 29	N32.211383	W-104.010794
BOTTOM 30	N32.211463	W-104.011205
BOTTOM 31	N32.211447	W-104.011149
BOTTOM 32	N32.211433	W-104.011099
BOTTOM 33	N32.211429	W-104.011174
BOTTOM 34	N32.211406	W-104.011122
BOTTOM 35	N32.211388	W-104.011075
BOTTOM 36	N32.211405	W-104.011044
BOTTOM 37	N32.211361	W-104.011053
BOTTOM 38	N32.211378	W-104.011011
BOTTOM 39	N32.211397	W-104.010983
BOTTOM 40	N32.211344	W-104.011004

OXBOW CC 17-8 FED COM 32H (11/5/19)

BOTTOM 41	N32.211363	W-104.010960
BOTTOM 42	N32.211381	W-104.010922
BOTTOM 43	N32.211324	W-104.010966
BOTTOM 44	N32.211338	W104.010928
BOTTOM 45	N32.211353	W-104.010893
BOTTOM 46	N32.211366	W-104.010859
BOTTOM 47	N32.211301	W-104.010920
BOTTOM 48	N32.211315	W-104.010881
BOTTOM 49	N32.211324	W-104.010841
BOTTOM 50	N32.211335	W-104.010798
BOTTOM 51	N32.211273	W-104.010881
BOTTOM 52	N32.211296	W-104.010824
BOTTOM 53	N32.211313	W-104.010771
BOTTOM 54	N32.211267	W-104.010833
BOTTOM 55	N32.211287	W-104.010785
BOTTOM 56	N32.211245	W-104.010843
BOTTOM 57	N32.211260	W-104.010789
BOTTOM 58	N32.211594	W-104.011170
BOTTOM 59	N32.211615	W-104.011125
BOTTOM 60	N32.211623	W-104.011070
BOTTOM 61	N32.211628	W-104.011027
BOTTOM 62	N32.211559	W-104.011203
BOTTOM 63	N32.211564	W-104.011149
BOTTOM 64	N32.211579	W-104.011098
BOTTOM 65	N32.211585	W-104.011057
BOTTOM 66	N32.211591	W-104.011016
BOTTOM 67	N32.211527	W-104.011185

OXBOW CC 17-8 FED COM 32H (11/5/19)

BOTTOM 68	N32.211534	W-104.011132
BOTTOM 69	N32.211546	W-104.011083
BOTTOM 70	N32.211549	W-104.011026
BOTTOM 71	N32.211496	W-104.011164
BOTTOM 72	N32.211510	W-104.011109
BOTTOM 73	N32.211516	W-104.011059
BOTTOM 74	N32.211516	W-104.011012
BOTTOM 75	N32.211475	W-104.011109
BOTTOM 76	N32.211484	W-104.011053
BOTTOM 77	N32.211482	W-104.011007
BOTTOM 78	N32.211453	W-104.011044
BOTTOM 79	N32.211458	W-104.011001
BOTTOM 80	N32.211433	W-104.010996

[illegible][illegible][illegible][illegible]

Laboratory Analytical Results Summary
 OXBOW CEDAR CANYON 17 8 FED COM #32H
 11/5/19

		Sample ID	BS 58 @ 5'	BS 59 @ 5'	BS 60 @ 5'	BS 61 @ 5'	BS 62 @ 5'	BS 63 @ 5'	BS 64 @ 5'	BS 65 @ 5'	BS 66 @ 5'	BS 67 @ 5'	BS 68 @ 5'	BS 69 @ 5'	BS 70 @ 5'
Analyte	Method	Date	3/8/22	3/8/22	3/8/22	3/8/22	3/8/22	3/8/22	3/8/22	3/8/22	3/8/22	3/8/22	3/8/22	3/8/22	3/8/22
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		48.0	176	80.0	64.0	80.0	80.0	80.0	160	96.0	64.0	80.0	80.0	80.0
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

		Sample ID	BS 71 @ 5'	BS 72 @ 5'	BS 73 @ 5'	BS 74 @ 5'	BS 75 @ 5'	BS 76 @ 5'	BS 77 @ 5'	BS 78 @ 5'	BS 79 @ 5'	BS 80 @ 5'
Analyte	Method	Date	3/8/22	3/8/22	3/8/22	3/8/22	3/8/22	3/8/22	3/8/22	3/8/22	3/8/22	3/8/22
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		144	160	112	144	128	144	176	80.0	64.0	144
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

		Sample ID	SW 1	SW 2	SW 3	SW 4	SW 5	SW 6	SW 7	SW 8	SW 9	SW 10	SW 11	SW 12	SW 13	SW 14	SW 15	SW 16
Analyte	Method	Date	3/8/22	3/8/22	3/8/22	3/8/22	3/8/22	3/8/22	3/8/22	3/8/22	3/8/22	3/8/22	3/8/22	3/8/22	3/8/22	3/8/22	3/8/22	3/8/22
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		80.0	64.0	80.0	208	112	144	80.0	64.0	144	64.0	144	64.0	80.0	144	144	128
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0



OX BOW CC 17-18 FED COM 32H
(11-5-19)





OX BOW CC 17-18 FED COM 32H
(11-5-19)



OX BOW CC 17-18 FED COM 32H
(11-5-19)



OX BOW CC 17-18 FED COM 32H
(11-5-19)



OX BOW CC 17-18 FED COM 32H
(11-5-19)





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

March 17, 2022

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: OXBOW CEDAR CANYON 17 8 FED COM #32H

Enclosed are the results of analyses for samples received by the laboratory on 03/11/22 12:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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 accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 1 @ 2' (H220996-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2022	ND	1.98	98.8	2.00	3.86	
Toluene*	<0.050	0.050	03/15/2022	ND	2.07	103	2.00	2.58	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.98	99.2	2.00	1.45	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	6.13	102	6.00	0.714	
Total BTEX	<0.300	0.300	03/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/15/2022	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	203	102	200	7.73	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	194	97.0	200	6.56	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 80.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 85.8 % 59.5-142

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 whatsoever 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.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 2 @ 2' (H220996-02)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/15/2022	ND	1.98	98.8	2.00	3.86		
Toluene*	<0.050	0.050	03/15/2022	ND	2.07	103	2.00	2.58		
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.98	99.2	2.00	1.45		
Total Xylenes*	<0.150	0.150	03/15/2022	ND	6.13	102	6.00	0.714		
Total BTX	<0.300	0.300	03/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

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	03/15/2022	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2022	ND	203	102	200	7.73	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	194	97.0	200	6.56	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 73.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 74.8 % 59.5-142

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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:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 3 @ 2' (H220996-03)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/15/2022	ND	1.98	98.8	2.00	3.86		
Toluene*	<0.050	0.050	03/15/2022	ND	2.07	103	2.00	2.58		
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.98	99.2	2.00	1.45		
Total Xylenes*	<0.150	0.150	03/15/2022	ND	6.13	102	6.00	0.714		
Total BTX	<0.300	0.300	03/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-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	03/15/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	203	102	200	7.73	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	194	97.0	200	6.56	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 85.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 90.9 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 4 @ 2' (H220996-04)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/15/2022	ND	1.98	98.8	2.00	3.86		
Toluene*	<0.050	0.050	03/15/2022	ND	2.07	103	2.00	2.58		
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.98	99.2	2.00	1.45		
Total Xylenes*	<0.150	0.150	03/15/2022	ND	6.13	102	6.00	0.714		
Total BTX	<0.300	0.300	03/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	03/15/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	203	102	200	7.73	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	194	97.0	200	6.56	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 85.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 88.6 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 5 @ 2' (H220996-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/16/2022	ND	1.98	98.8	2.00	3.86		
Toluene*	<0.050	0.050	03/16/2022	ND	2.07	103	2.00	2.58		
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.98	99.2	2.00	1.45		
Total Xylenes*	<0.150	0.150	03/16/2022	ND	6.13	102	6.00	0.714		
Total BTEx	<0.300	0.300	03/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500CI-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	03/15/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	203	102	200	7.73	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	194	97.0	200	6.56	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 77.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 81.4 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 6 @ 2' (H220996-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/16/2022	ND	1.98	98.8	2.00	3.86		
Toluene*	<0.050	0.050	03/16/2022	ND	2.07	103	2.00	2.58		
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.98	99.2	2.00	1.45		
Total Xylenes*	<0.150	0.150	03/16/2022	ND	6.13	102	6.00	0.714		
Total BTEx	<0.300	0.300	03/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

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	03/15/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	203	102	200	7.73	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	194	97.0	200	6.56	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 81.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 85.0 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 7 @ 2' (H220996-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/16/2022	ND	1.98	98.8	2.00	3.86		
Toluene*	<0.050	0.050	03/16/2022	ND	2.07	103	2.00	2.58		
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.98	99.2	2.00	1.45		
Total Xylenes*	<0.150	0.150	03/16/2022	ND	6.13	102	6.00	0.714		
Total BTEx	<0.300	0.300	03/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/15/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	203	102	200	7.73	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	194	97.0	200	6.56	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 83.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 84.7 % 59.5-142

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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:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 8 @ 2' (H220996-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/16/2022	ND	1.98	98.8	2.00	3.86		
Toluene*	<0.050	0.050	03/16/2022	ND	2.07	103	2.00	2.58		
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.98	99.2	2.00	1.45		
Total Xylenes*	<0.150	0.150	03/16/2022	ND	6.13	102	6.00	0.714		
Total BTEx	<0.300	0.300	03/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

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	03/15/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	199	99.4	200	7.98	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	212	106	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 91.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 95.5 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 9 @ 2' (H220996-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/16/2022	ND	1.98	98.8	2.00	3.86		
Toluene*	<0.050	0.050	03/16/2022	ND	2.07	103	2.00	2.58		
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.98	99.2	2.00	1.45		
Total Xylenes*	<0.150	0.150	03/16/2022	ND	6.13	102	6.00	0.714		
Total BTEx	<0.300	0.300	03/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

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	03/15/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	213	106	200	4.27	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	201	100	200	6.30	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 108 % 59.5-142

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Analytical Results For:

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Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 10 @ 2' (H220996-10)

BTX 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	03/15/2022	ND	1.99	99.4	2.00	0.123	
Toluene*	<0.050	0.050	03/15/2022	ND	2.00	100	2.00	0.587	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.93	96.6	2.00	0.474	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	5.99	99.9	6.00	0.000477	
Total BTX	<0.300	0.300	03/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	03/15/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	213	106	200	4.27	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	201	100	200	6.30	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 106 % 66.9-136

Surrogate: 1-Chlorooctadecane 111 % 59.5-142

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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:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 11 @ 2' (H220996-11)

BTX 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	03/15/2022	ND	1.99	99.4	2.00	0.123	
Toluene*	<0.050	0.050	03/15/2022	ND	2.00	100	2.00	0.587	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.93	96.6	2.00	0.474	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	5.99	99.9	6.00	0.000477	
Total BTX	<0.300	0.300	03/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

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	03/15/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	213	106	200	4.27	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	201	100	200	6.30	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 110 % 66.9-136

Surrogate: 1-Chlorooctadecane 114 % 59.5-142

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Analytical Results For:

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 12 @ 2' (H220996-12)

BTX 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	03/15/2022	ND	1.99	99.4	2.00	0.123	
Toluene*	<0.050	0.050	03/15/2022	ND	2.00	100	2.00	0.587	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.93	96.6	2.00	0.474	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	5.99	99.9	6.00	0.000477	
Total BTX	<0.300	0.300	03/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	03/15/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	213	106	200	4.27	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	201	100	200	6.30	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 108 % 66.9-136

Surrogate: 1-Chlorooctadecane 112 % 59.5-142

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Analytical Results For:

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 Cliff Brunson
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 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 13 @ 2' (H220996-13)

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	03/15/2022	ND	1.99	99.4	2.00	0.123		
Toluene*	<0.050	0.050	03/15/2022	ND	2.00	100	2.00	0.587		
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.93	96.6	2.00	0.474		
Total Xylenes*	<0.150	0.150	03/15/2022	ND	5.99	99.9	6.00	0.000477		
Total BTEx	<0.300	0.300	03/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	03/15/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	213	106	200	4.27	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	201	100	200	6.30	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 115 % 66.9-136

Surrogate: 1-Chlorooctadecane 122 % 59.5-142

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Analytical Results For:

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 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 14 @ 2' (H220996-14)

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	03/15/2022	ND	1.99	99.4	2.00	0.123		
Toluene*	<0.050	0.050	03/15/2022	ND	2.00	100	2.00	0.587		
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.93	96.6	2.00	0.474		
Total Xylenes*	<0.150	0.150	03/15/2022	ND	5.99	99.9	6.00	0.000477		
Total BTEx	<0.300	0.300	03/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

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	03/15/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	213	106	200	4.27	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	201	100	200	6.30	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 117 % 66.9-136

Surrogate: 1-Chlorooctadecane 123 % 59.5-142

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Analytical Results For:

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 Cliff Brunson
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 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 15 @ 2' (H220996-15)

BTX 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	03/15/2022	ND	1.99	99.4	2.00	0.123	
Toluene*	<0.050	0.050	03/15/2022	ND	2.00	100	2.00	0.587	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.93	96.6	2.00	0.474	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	5.99	99.9	6.00	0.000477	
Total BTX	<0.300	0.300	03/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	03/15/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	213	106	200	4.27	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	201	100	200	6.30	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 118 % 66.9-136

Surrogate: 1-Chlorooctadecane 122 % 59.5-142

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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:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 16 @ 2' (H220996-16)

BTX 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	03/15/2022	ND	1.99	99.4	2.00	0.123	
Toluene*	<0.050	0.050	03/15/2022	ND	2.00	100	2.00	0.587	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.93	96.6	2.00	0.474	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	5.99	99.9	6.00	0.000477	
Total BTX	<0.300	0.300	03/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

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	03/15/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	213	106	200	4.27	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	201	100	200	6.30	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 113 % 66.9-136

Surrogate: 1-Chlorooctadecane 118 % 59.5-142

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Analytical Results For:

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 17 @ 2' (H220996-17)

BTX 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	03/15/2022	ND	1.99	99.4	2.00	0.123		
Toluene*	<0.050	0.050	03/15/2022	ND	2.00	100	2.00	0.587		
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.93	96.6	2.00	0.474		
Total Xylenes*	<0.150	0.150	03/15/2022	ND	5.99	99.9	6.00	0.000477		
Total BTX	<0.300	0.300	03/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

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	03/15/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	213	106	200	4.27	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	201	100	200	6.30	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 104 % 66.9-136

Surrogate: 1-Chlorooctadecane 107 % 59.5-142

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Analytical Results For:

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 18 @ 2' (H220996-18)

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	03/15/2022	ND	1.99	99.4	2.00	0.123		
Toluene*	<0.050	0.050	03/15/2022	ND	2.00	100	2.00	0.587		
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.93	96.6	2.00	0.474		
Total Xylenes*	<0.150	0.150	03/15/2022	ND	5.99	99.9	6.00	0.000477		
Total BTEx	<0.300	0.300	03/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/15/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	213	106	200	4.27	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	201	100	200	6.30	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 107 % 59.5-142

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 P.O. Box 805
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 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 19 @ 2' (H220996-19)

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	03/15/2022	ND	1.99	99.4	2.00	0.123		
Toluene*	<0.050	0.050	03/15/2022	ND	2.00	100	2.00	0.587		
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.93	96.6	2.00	0.474		
Total Xylenes*	<0.150	0.150	03/15/2022	ND	5.99	99.9	6.00	0.000477		
Total BTEx	<0.300	0.300	03/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

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	03/15/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	213	106	200	4.27	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	201	100	200	6.30	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 109 % 66.9-136

Surrogate: 1-Chlorooctadecane 113 % 59.5-142

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Analytical Results For:

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 Cliff Brunson
 P.O. Box 805
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 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 20 @ 2' (H220996-20)

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	03/15/2022	ND	1.99	99.4	2.00	0.123		
Toluene*	<0.050	0.050	03/15/2022	ND	2.00	100	2.00	0.587		
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.93	96.6	2.00	0.474		
Total Xylenes*	<0.150	0.150	03/15/2022	ND	5.99	99.9	6.00	0.000477		
Total BTEx	<0.300	0.300	03/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	03/15/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	213	106	200	4.27	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	201	100	200	6.30	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 101 % 66.9-136

Surrogate: 1-Chlorooctadecane 105 % 59.5-142

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Analytical Results For:

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Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 21 @ 2' (H220996-21)

BTX 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	03/15/2022	ND	1.99	99.4	2.00	0.123		
Toluene*	<0.050	0.050	03/15/2022	ND	2.00	100	2.00	0.587		
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.93	96.6	2.00	0.474		
Total Xylenes*	<0.150	0.150	03/15/2022	ND	5.99	99.9	6.00	0.000477		
Total BTX	<0.300	0.300	03/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-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	03/15/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	213	106	200	4.27	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	201	100	200	6.30	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 113 % 66.9-136

Surrogate: 1-Chlorooctadecane 117 % 59.5-142

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Analytical Results For:

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Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 22 @ 2' (H220996-22)

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	03/15/2022	ND	1.99	99.4	2.00	0.123		
Toluene*	<0.050	0.050	03/15/2022	ND	2.00	100	2.00	0.587		
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.93	96.6	2.00	0.474		
Total Xylenes*	<0.150	0.150	03/15/2022	ND	5.99	99.9	6.00	0.000477		
Total BTEx	<0.300	0.300	03/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

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	03/15/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	213	106	200	4.27	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	201	100	200	6.30	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 113 % 66.9-136

Surrogate: 1-Chlorooctadecane 116 % 59.5-142

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Analytical Results For:

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Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 23 @ 2' (H220996-23)

BTX 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	03/15/2022	ND	1.99	99.4	2.00	0.123	
Toluene*	<0.050	0.050	03/15/2022	ND	2.00	100	2.00	0.587	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.93	96.6	2.00	0.474	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	5.99	99.9	6.00	0.000477	
Total BTX	<0.300	0.300	03/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/15/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	213	106	200	4.27	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	201	100	200	6.30	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 94.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 99.1 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 24 @ 2' (H220996-24)

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	03/15/2022	ND	1.99	99.4	2.00	0.123		
Toluene*	<0.050	0.050	03/15/2022	ND	2.00	100	2.00	0.587		
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.93	96.6	2.00	0.474		
Total Xylenes*	<0.150	0.150	03/15/2022	ND	5.99	99.9	6.00	0.000477		
Total BTEx	<0.300	0.300	03/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-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	03/15/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	213	106	200	4.27	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	201	100	200	6.30	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 112 % 66.9-136

Surrogate: 1-Chlorooctadecane 115 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 25 @ 2' (H220996-25)

BTX 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	03/15/2022	ND	1.99	99.4	2.00	0.123		
Toluene*	<0.050	0.050	03/15/2022	ND	2.00	100	2.00	0.587		
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.93	96.6	2.00	0.474		
Total Xylenes*	<0.150	0.150	03/15/2022	ND	5.99	99.9	6.00	0.000477		
Total BTX	<0.300	0.300	03/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

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	03/15/2022	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	03/16/2022	ND	213	106	200	4.27	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	201	100	200	6.30	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 106 % 66.9-136

Surrogate: 1-Chlorooctadecane 111 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 26 @ 2' (H220996-26)

BTX 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	03/15/2022	ND	1.99	99.4	2.00	0.123	
Toluene*	<0.050	0.050	03/15/2022	ND	2.00	100	2.00	0.587	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.93	96.6	2.00	0.474	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	5.99	99.9	6.00	0.000477	
Total BTX	<0.300	0.300	03/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

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	03/15/2022	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	03/16/2022	ND	213	106	200	4.27	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	201	100	200	6.30	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 99.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 102 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 27 @ 2' (H220996-27)

BTX 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	03/15/2022	ND	1.99	99.4	2.00	0.123	
Toluene*	<0.050	0.050	03/15/2022	ND	2.00	100	2.00	0.587	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.93	96.6	2.00	0.474	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	5.99	99.9	6.00	0.000477	
Total BTX	<0.300	0.300	03/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	03/15/2022	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	03/16/2022	ND	199	99.4	200	7.98	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	212	106	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 89.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 91.9 % 59.5-142

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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:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 28 @ 2' (H220996-28)

BTX 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	03/15/2022	ND	1.99	99.4	2.00	0.123	
Toluene*	<0.050	0.050	03/15/2022	ND	2.00	100	2.00	0.587	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.93	96.6	2.00	0.474	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	5.99	99.9	6.00	0.000477	
Total BTX	<0.300	0.300	03/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	03/15/2022	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	03/16/2022	ND	199	99.4	200	7.98	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	212	106	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 86.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 87.1 % 59.5-142

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Analytical Results For:

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 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 29 @ 2' (H220996-29)

BTX 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	03/15/2022	ND	1.99	99.4	2.00	0.123	
Toluene*	<0.050	0.050	03/15/2022	ND	2.00	100	2.00	0.587	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.93	96.6	2.00	0.474	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	5.99	99.9	6.00	0.000477	
Total BTX	<0.300	0.300	03/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

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	03/15/2022	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	03/16/2022	ND	207	104	200	2.09	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	218	109	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 95.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 109 % 59.5-142

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Analytical Results For:

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 Cliff Brunson
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 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 30 @ 3' (H220996-30)

BTX 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	03/15/2022	ND	2.04	102	2.00	0.0856	
Toluene*	<0.050	0.050	03/15/2022	ND	2.06	103	2.00	0.884	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	2.05	103	2.00	0.529	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	6.33	106	6.00	0.577	
Total BTX	<0.300	0.300	03/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/15/2022	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	03/16/2022	ND	207	104	200	2.09	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	218	109	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 96.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 110 % 59.5-142

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Analytical Results For:

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 Cliff Brunson
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 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 31 @ 3' (H220996-31)

BTX 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	03/15/2022	ND	2.04	102	2.00	0.0856	
Toluene*	<0.050	0.050	03/15/2022	ND	2.06	103	2.00	0.884	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	2.05	103	2.00	0.529	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	6.33	106	6.00	0.577	
Total BTX	<0.300	0.300	03/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

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	03/15/2022	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	03/16/2022	ND	207	104	200	2.09	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	218	109	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 92.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 106 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 32 @ 3' (H220996-32)

BTX 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	03/15/2022	ND	2.04	102	2.00	0.0856	
Toluene*	<0.050	0.050	03/15/2022	ND	2.06	103	2.00	0.884	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	2.05	103	2.00	0.529	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	6.33	106	6.00	0.577	
Total BTX	<0.300	0.300	03/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

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	03/15/2022	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	03/16/2022	ND	207	104	200	2.09	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	218	109	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 94.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 108 % 59.5-142

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Analytical Results For:

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 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 33 @ 3' (H220996-33)

BTX 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	03/16/2022	ND	2.04	102	2.00	0.0856	
Toluene*	<0.050	0.050	03/16/2022	ND	2.06	103	2.00	0.884	
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	2.05	103	2.00	0.529	
Total Xylenes*	<0.150	0.150	03/16/2022	ND	6.33	106	6.00	0.577	
Total BTX	<0.300	0.300	03/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/15/2022	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	03/16/2022	ND	207	104	200	2.09	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	218	109	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 89.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 101 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 34 @ 3' (H220996-34)

BTX 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	03/15/2022	ND	2.04	102	2.00	0.0856	
Toluene*	<0.050	0.050	03/15/2022	ND	2.06	103	2.00	0.884	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	2.05	103	2.00	0.529	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	6.33	106	6.00	0.577	
Total BTX	<0.300	0.300	03/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

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	03/15/2022	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	03/16/2022	ND	207	104	200	2.09	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	218	109	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 92.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 107 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 35 @ 3' (H220996-35)

BTX 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	03/15/2022	ND	2.04	102	2.00	0.0856	
Toluene*	<0.050	0.050	03/15/2022	ND	2.06	103	2.00	0.884	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	2.05	103	2.00	0.529	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	6.33	106	6.00	0.577	
Total BTX	<0.300	0.300	03/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

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	03/15/2022	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	03/16/2022	ND	207	104	200	2.09	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	218	109	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 98.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 112 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 36 @ 3' (H220996-36)

BTX 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	03/15/2022	ND	2.04	102	2.00	0.0856	
Toluene*	<0.050	0.050	03/15/2022	ND	2.06	103	2.00	0.884	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	2.05	103	2.00	0.529	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	6.33	106	6.00	0.577	
Total BTX	<0.300	0.300	03/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

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	03/15/2022	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	03/16/2022	ND	207	104	200	2.09	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	218	109	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 100 % 66.9-136

Surrogate: 1-Chlorooctadecane 115 % 59.5-142

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Analytical Results For:

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 Cliff Brunson
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 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 37 @ 3' (H220996-37)

BTX 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	03/15/2022	ND	2.04	102	2.00	0.0856	
Toluene*	<0.050	0.050	03/15/2022	ND	2.06	103	2.00	0.884	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	2.05	103	2.00	0.529	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	6.33	106	6.00	0.577	
Total BTX	<0.300	0.300	03/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-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	03/15/2022	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	03/16/2022	ND	207	104	200	2.09	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	218	109	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 98.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 112 % 59.5-142

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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:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 38 @ 3' (H220996-38)

BTX 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	03/15/2022	ND	2.04	102	2.00	0.0856		
Toluene*	<0.050	0.050	03/15/2022	ND	2.06	103	2.00	0.884		
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	2.05	103	2.00	0.529		
Total Xylenes*	<0.150	0.150	03/15/2022	ND	6.33	106	6.00	0.577		
Total BTX	<0.300	0.300	03/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

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	03/15/2022	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	03/16/2022	ND	207	104	200	2.09	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	218	109	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 85.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 97.1 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 39 @ 3' (H220996-39)

BTX 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	03/16/2022	ND	2.04	102	2.00	0.0856	
Toluene*	<0.050	0.050	03/16/2022	ND	2.06	103	2.00	0.884	
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	2.05	103	2.00	0.529	
Total Xylenes*	<0.150	0.150	03/16/2022	ND	6.33	106	6.00	0.577	
Total BTX	<0.300	0.300	03/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

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	03/15/2022	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	03/16/2022	ND	207	104	200	2.09	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	218	109	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 82.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 92.9 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 40 @ 3' (H220996-40)

BTX 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	03/15/2022	ND	2.04	102	2.00	0.0856	
Toluene*	<0.050	0.050	03/15/2022	ND	2.06	103	2.00	0.884	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	2.05	103	2.00	0.529	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	6.33	106	6.00	0.577	
Total BTX	<0.300	0.300	03/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-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	03/15/2022	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	03/16/2022	ND	207	104	200	2.09	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	218	109	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 86.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 97.7 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 41 @ 3' (H220996-41)

BTX 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	03/15/2022	ND	2.04	102	2.00	0.0856	
Toluene*	<0.050	0.050	03/15/2022	ND	2.06	103	2.00	0.884	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	2.05	103	2.00	0.529	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	6.33	106	6.00	0.577	
Total BTX	<0.300	0.300	03/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	03/15/2022	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	03/16/2022	ND	207	104	200	2.09	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	218	109	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 93.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 106 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 42 @ 3' (H220996-42)

BTX 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	03/16/2022	ND	2.04	102	2.00	0.0856	
Toluene*	<0.050	0.050	03/16/2022	ND	2.06	103	2.00	0.884	
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	2.05	103	2.00	0.529	
Total Xylenes*	<0.150	0.150	03/16/2022	ND	6.33	106	6.00	0.577	
Total BTX	<0.300	0.300	03/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/15/2022	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	03/16/2022	ND	207	104	200	2.09	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	218	109	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 97.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 111 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 43 @ 3' (H220996-43)

BTX 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	03/15/2022	ND	2.04	102	2.00	0.0856	
Toluene*	<0.050	0.050	03/15/2022	ND	2.06	103	2.00	0.884	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	2.05	103	2.00	0.529	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	6.33	106	6.00	0.577	
Total BTX	<0.300	0.300	03/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/15/2022	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	03/16/2022	ND	207	104	200	2.09	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	218	109	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 104 % 66.9-136

Surrogate: 1-Chlorooctadecane 119 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 44 @ 3' (H220996-44)

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	03/15/2022	ND	2.04	102	2.00	0.0856	
Toluene*	<0.050	0.050	03/15/2022	ND	2.06	103	2.00	0.884	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	2.05	103	2.00	0.529	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	6.33	106	6.00	0.577	
Total BTEX	<0.300	0.300	03/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/15/2022	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	03/16/2022	ND	207	104	200	2.09	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	218	109	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 99.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 114 % 59.5-142

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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:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 45 @ 3' (H220996-45)

BTX 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	03/15/2022	ND	2.04	102	2.00	0.0856	
Toluene*	<0.050	0.050	03/15/2022	ND	2.06	103	2.00	0.884	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	2.05	103	2.00	0.529	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	6.33	106	6.00	0.577	
Total BTX	<0.300	0.300	03/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

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	03/15/2022	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	03/16/2022	ND	207	104	200	2.09	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	218	109	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 90.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 102 % 59.5-142

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Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 46 @ 3' (H220996-46)

BTX 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	03/15/2022	ND	2.04	102	2.00	0.0856	
Toluene*	<0.050	0.050	03/15/2022	ND	2.06	103	2.00	0.884	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	2.05	103	2.00	0.529	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	6.33	106	6.00	0.577	
Total BTX	<0.300	0.300	03/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-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	03/15/2022	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	03/16/2022	ND	207	104	200	2.09	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	218	109	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 96.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 111 % 59.5-142

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Analytical Results For:

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Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 47 @ 3' (H220996-47)

BTX 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	03/15/2022	ND	2.04	102	2.00	0.0856	
Toluene*	<0.050	0.050	03/15/2022	ND	2.06	103	2.00	0.884	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	2.05	103	2.00	0.529	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	6.33	106	6.00	0.577	
Total BTX	<0.300	0.300	03/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-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	03/15/2022	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	03/16/2022	ND	207	104	200	2.09	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	218	109	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 96.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 110 % 59.5-142

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Analytical Results For:

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Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 48 @ 3' (H220996-48)

BTX 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	03/15/2022	ND	2.04	102	2.00	0.0856	
Toluene*	<0.050	0.050	03/15/2022	ND	2.06	103	2.00	0.884	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	2.05	103	2.00	0.529	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	6.33	106	6.00	0.577	
Total BTX	<0.300	0.300	03/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/15/2022	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	03/16/2022	ND	207	104	200	2.09	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	218	109	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 96.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 109 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 49 @ 3' (H220996-49)

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	03/15/2022	ND	2.04	102	2.00	0.0856		
Toluene*	<0.050	0.050	03/15/2022	ND	2.06	103	2.00	0.884		
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	2.05	103	2.00	0.529		
Total Xylenes*	<0.150	0.150	03/15/2022	ND	6.33	106	6.00	0.577		
Total BTEX	<0.300	0.300	03/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

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	03/15/2022	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	03/17/2022	ND	212	106	200	0.391	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	225	112	200	0.0458	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 107 % 66.9-136

Surrogate: 1-Chlorooctadecane 123 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 50 @ 3' (H220996-50)

BTX 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	03/16/2022	ND	1.82	90.9	2.00	9.70	QR-03
Toluene*	<0.050	0.050	03/16/2022	ND	1.83	91.7	2.00	9.88	QR-03
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.77	88.6	2.00	9.69	QR-03
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.54	92.4	6.00	8.63	
Total BTX	<0.300	0.300	03/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

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	03/15/2022	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	03/17/2022	ND	212	106	200	0.391	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	225	112	200	0.0458	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 100 % 66.9-136

Surrogate: 1-Chlorooctadecane 114 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 51 @ 3' (H220996-51)

BTX 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	03/16/2022	ND	1.82	90.9	2.00	9.70		
Toluene*	<0.050	0.050	03/16/2022	ND	1.83	91.7	2.00	9.88		
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.77	88.6	2.00	9.69		
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.54	92.4	6.00	8.63		
Total BTX	<0.300	0.300	03/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/15/2022	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	03/17/2022	ND	212	106	200	0.391	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	225	112	200	0.0458	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 105 % 66.9-136

Surrogate: 1-Chlorooctadecane 121 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 52 @ 3' (H220996-52)

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	03/16/2022	ND	1.82	90.9	2.00	9.70		
Toluene*	<0.050	0.050	03/16/2022	ND	1.83	91.7	2.00	9.88		
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.77	88.6	2.00	9.69		
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.54	92.4	6.00	8.63		
Total BTEX	<0.300	0.300	03/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	03/15/2022	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	03/17/2022	ND	212	106	200	0.391	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	225	112	200	0.0458	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 108 % 66.9-136

Surrogate: 1-Chlorooctadecane 125 % 59.5-142

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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:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 53 @ 3' (H220996-53)

BTX 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	03/16/2022	ND	1.82	90.9	2.00	9.70		
Toluene*	<0.050	0.050	03/16/2022	ND	1.83	91.7	2.00	9.88		
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.77	88.6	2.00	9.69		
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.54	92.4	6.00	8.63		
Total BTX	<0.300	0.300	03/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/15/2022	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	03/17/2022	ND	212	106	200	0.391	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	225	112	200	0.0458	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 107 % 66.9-136

Surrogate: 1-Chlorooctadecane 123 % 59.5-142

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Analytical Results For:

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 Cliff Brunson
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 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 54 @ 3' (H220996-54)

BTX 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	03/16/2022	ND	1.82	90.9	2.00	9.70		
Toluene*	<0.050	0.050	03/16/2022	ND	1.83	91.7	2.00	9.88		
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.77	88.6	2.00	9.69		
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.54	92.4	6.00	8.63		
Total BTX	<0.300	0.300	03/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

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	03/15/2022	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	03/17/2022	ND	212	106	200	0.391	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	225	112	200	0.0458	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 107 % 66.9-136

Surrogate: 1-Chlorooctadecane 122 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 55 @ 3' (H220996-55)

BTX 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	03/16/2022	ND	1.82	90.9	2.00	9.70		
Toluene*	<0.050	0.050	03/16/2022	ND	1.83	91.7	2.00	9.88		
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.77	88.6	2.00	9.69		
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.54	92.4	6.00	8.63		
Total BTX	<0.300	0.300	03/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

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	03/15/2022	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	03/17/2022	ND	212	106	200	0.391	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	225	112	200	0.0458	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 101 % 66.9-136

Surrogate: 1-Chlorooctadecane 115 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 56 @ 3' (H220996-56)

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	03/16/2022	ND	1.82	90.9	2.00	9.70		
Toluene*	<0.050	0.050	03/16/2022	ND	1.83	91.7	2.00	9.88		
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.77	88.6	2.00	9.69		
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.54	92.4	6.00	8.63		
Total BTEX	<0.300	0.300	03/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	03/15/2022	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	03/17/2022	ND	212	106	200	0.391	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	225	112	200	0.0458	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 109 % 66.9-136

Surrogate: 1-Chlorooctadecane 125 % 59.5-142

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Analytical Results For:

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 Cliff Brunson
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 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 57 @ 3' (H220996-57)

BTX 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	03/16/2022	ND	1.82	90.9	2.00	9.70		
Toluene*	<0.050	0.050	03/16/2022	ND	1.83	91.7	2.00	9.88		
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.77	88.6	2.00	9.69		
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.54	92.4	6.00	8.63		
Total BTX	<0.300	0.300	03/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

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	03/15/2022	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	03/17/2022	ND	212	106	200	0.391	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	225	112	200	0.0458	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 119 % 59.5-142

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Analytical Results For:

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 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 58 @ 5' (H220996-58)

BTX 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	03/16/2022	ND	1.82	90.9	2.00	9.70		
Toluene*	<0.050	0.050	03/16/2022	ND	1.83	91.7	2.00	9.88		
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.77	88.6	2.00	9.69		
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.54	92.4	6.00	8.63		
Total BTX	<0.300	0.300	03/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

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	03/15/2022	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	03/17/2022	ND	212	106	200	0.391	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	225	112	200	0.0458	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 118 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 59 @ 5' (H220996-59)

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	03/16/2022	ND	1.82	90.9	2.00	9.70		
Toluene*	<0.050	0.050	03/16/2022	ND	1.83	91.7	2.00	9.88		
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.77	88.6	2.00	9.69		
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.54	92.4	6.00	8.63		
Total BTEx	<0.300	0.300	03/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	03/15/2022	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	03/17/2022	ND	212	106	200	0.391	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	225	112	200	0.0458	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 97.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 113 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 60 @ 5' (H220996-60)

BTX 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	03/16/2022	ND	1.82	90.9	2.00	9.70		
Toluene*	<0.050	0.050	03/16/2022	ND	1.83	91.7	2.00	9.88		
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.77	88.6	2.00	9.69		
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.54	92.4	6.00	8.63		
Total BTX	<0.300	0.300	03/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

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	03/15/2022	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	03/17/2022	ND	212	106	200	0.391	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	225	112	200	0.0458	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 106 % 66.9-136

Surrogate: 1-Chlorooctadecane 121 % 59.5-142

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 61 @ 5' (H220996-61)

BTX 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	03/16/2022	ND	1.82	90.9	2.00	9.70		
Toluene*	<0.050	0.050	03/16/2022	ND	1.83	91.7	2.00	9.88		
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.77	88.6	2.00	9.69		
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.54	92.4	6.00	8.63		
Total BTX	<0.300	0.300	03/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-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	03/15/2022	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	03/17/2022	ND	212	106	200	0.391	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	225	112	200	0.0458	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 86.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 98.9 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

BBC International, Inc.
 Cliff Brunson
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 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 62 @ 5' (H220996-62)

BTX 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	03/16/2022	ND	1.82	90.9	2.00	9.70		
Toluene*	<0.050	0.050	03/16/2022	ND	1.83	91.7	2.00	9.88		
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.77	88.6	2.00	9.69		
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.54	92.4	6.00	8.63		
Total BTX	<0.300	0.300	03/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

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	03/15/2022	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	03/17/2022	ND	212	106	200	0.391	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	225	112	200	0.0458	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 95.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 108 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 63 @ 5' (H220996-63)

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	03/16/2022	ND	1.82	90.9	2.00	9.70		
Toluene*	<0.050	0.050	03/16/2022	ND	1.83	91.7	2.00	9.88		
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.77	88.6	2.00	9.69		
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.54	92.4	6.00	8.63		
Total BTEx	<0.300	0.300	03/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

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	03/15/2022	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	03/17/2022	ND	212	106	200	0.391	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	225	112	200	0.0458	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 117 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 64 @ 5' (H220996-64)

BTX 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	03/16/2022	ND	1.82	90.9	2.00	9.70		
Toluene*	<0.050	0.050	03/16/2022	ND	1.83	91.7	2.00	9.88		
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.77	88.6	2.00	9.69		
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.54	92.4	6.00	8.63		
Total BTX	<0.300	0.300	03/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

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	03/15/2022	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	03/17/2022	ND	212	106	200	0.391	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	225	112	200	0.0458	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 97.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 111 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 65 @ 5' (H220996-65)

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	03/16/2022	ND	1.82	90.9	2.00	9.70		
Toluene*	<0.050	0.050	03/16/2022	ND	1.83	91.7	2.00	9.88		
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.77	88.6	2.00	9.69		
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.54	92.4	6.00	8.63		
Total BTEX	<0.300	0.300	03/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/15/2022	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	03/17/2022	ND	212	106	200	0.391	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	225	112	200	0.0458	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 110 % 66.9-136

Surrogate: 1-Chlorooctadecane 126 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 66 @ 5' (H220996-66)

BTX 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	03/16/2022	ND	1.82	90.9	2.00	9.70		
Toluene*	<0.050	0.050	03/16/2022	ND	1.83	91.7	2.00	9.88		
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.77	88.6	2.00	9.69		
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.54	92.4	6.00	8.63		
Total BTX	<0.300	0.300	03/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	03/15/2022	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	03/17/2022	ND	212	106	200	0.391	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	225	112	200	0.0458	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 109 % 66.9-136

Surrogate: 1-Chlorooctadecane 124 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 67 @ 5' (H220996-67)

BTX 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	03/16/2022	ND	1.82	90.9	2.00	9.70		
Toluene*	<0.050	0.050	03/16/2022	ND	1.83	91.7	2.00	9.88		
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.77	88.6	2.00	9.69		
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.54	92.4	6.00	8.63		
Total BTX	<0.300	0.300	03/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-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	03/15/2022	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	03/17/2022	ND	212	106	200	0.391	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	225	112	200	0.0458	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 107 % 66.9-136

Surrogate: 1-Chlorooctadecane 122 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 68 @ 5' (H220996-68)

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	03/16/2022	ND	1.82	90.9	2.00	9.70		
Toluene*	<0.050	0.050	03/16/2022	ND	1.83	91.7	2.00	9.88		
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.77	88.6	2.00	9.69		
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.54	92.4	6.00	8.63		
Total BTEX	<0.300	0.300	03/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500Cl-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	03/15/2022	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	03/17/2022	ND	212	106	200	0.391	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	225	112	200	0.0458	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 108 % 66.9-136

Surrogate: 1-Chlorooctadecane 122 % 59.5-142

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Analytical Results For:

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Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 69 @ 5' (H220996-69)

BTX 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	03/16/2022	ND	1.82	90.9	2.00	9.70		
Toluene*	<0.050	0.050	03/16/2022	ND	1.83	91.7	2.00	9.88		
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.77	88.6	2.00	9.69		
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.54	92.4	6.00	8.63		
Total BTX	<0.300	0.300	03/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

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	03/15/2022	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	03/16/2022	ND	202	101	200	3.19	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	200	100	200	9.47	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 83.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 86.2 % 59.5-142

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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:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 70 @ 5' (H220996-70)

BTX 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	03/16/2022	ND	1.92	95.9	2.00	7.50		
Toluene*	<0.050	0.050	03/16/2022	ND	1.93	96.5	2.00	7.40		
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.86	93.2	2.00	7.18		
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.79	96.6	6.00	6.18		
Total BTX	<0.300	0.300	03/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

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	03/15/2022	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	03/16/2022	ND	202	101	200	3.19	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	200	100	200	9.47	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 97.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 104 % 59.5-142

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Analytical Results For:

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 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 71 @ 5' (H220996-71)

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	03/16/2022	ND	1.92	95.9	2.00	7.50		
Toluene*	<0.050	0.050	03/16/2022	ND	1.93	96.5	2.00	7.40		
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.86	93.2	2.00	7.18		
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.79	96.6	6.00	6.18		
Total BTEx	<0.300	0.300	03/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	03/15/2022	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	03/16/2022	ND	202	101	200	3.19	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	200	100	200	9.47	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 76.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 83.3 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 72 @ 5' (H220996-72)

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	03/16/2022	ND	1.92	95.9	2.00	7.50		
Toluene*	<0.050	0.050	03/16/2022	ND	1.93	96.5	2.00	7.40		
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.86	93.2	2.00	7.18		
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.79	96.6	6.00	6.18		
Total BTEx	<0.300	0.300	03/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/15/2022	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	03/16/2022	ND	202	101	200	3.19	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	200	100	200	9.47	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 83.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 86.4 % 59.5-142

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Analytical Results For:

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Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 73 @ 5' (H220996-73)

BTX 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	03/16/2022	ND	1.92	95.9	2.00	7.50		
Toluene*	<0.050	0.050	03/16/2022	ND	1.93	96.5	2.00	7.40		
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.86	93.2	2.00	7.18		
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.79	96.6	6.00	6.18		
Total BTX	<0.300	0.300	03/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	03/15/2022	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	03/16/2022	ND	202	101	200	3.19	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	200	100	200	9.47	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 85.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 92.2 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 74 @ 5' (H220996-74)

BTX 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	03/16/2022	ND	1.92	95.9	2.00	7.50		
Toluene*	<0.050	0.050	03/16/2022	ND	1.93	96.5	2.00	7.40		
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.86	93.2	2.00	7.18		
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.79	96.6	6.00	6.18		
Total BTX	<0.300	0.300	03/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/15/2022	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	03/17/2022	ND	202	101	200	3.19	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	200	100	200	9.47	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 74.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 77.3 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 75 @ 5' (H220996-75)

BTX 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	03/16/2022	ND	1.92	95.9	2.00	7.50		
Toluene*	<0.050	0.050	03/16/2022	ND	1.93	96.5	2.00	7.40		
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.86	93.2	2.00	7.18		
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.79	96.6	6.00	6.18		
Total BTX	<0.300	0.300	03/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

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	03/15/2022	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	03/16/2022	ND	202	101	200	3.19	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	200	100	200	9.47	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 73.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 78.5 % 59.5-142

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Analytical Results For:

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Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 76 @ 5' (H220996-76)

BTX 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	03/16/2022	ND	1.92	95.9	2.00	7.50		
Toluene*	<0.050	0.050	03/16/2022	ND	1.93	96.5	2.00	7.40		
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.86	93.2	2.00	7.18		
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.79	96.6	6.00	6.18		
Total BTX	<0.300	0.300	03/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/15/2022	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	03/16/2022	ND	202	101	200	3.19	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	200	100	200	9.47	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 78.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 81.2 % 59.5-142

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Analytical Results For:

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Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 77 @ 5' (H220996-77)

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	03/16/2022	ND	1.92	95.9	2.00	7.50		
Toluene*	<0.050	0.050	03/16/2022	ND	1.93	96.5	2.00	7.40		
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.86	93.2	2.00	7.18		
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.79	96.6	6.00	6.18		
Total BTEx	<0.300	0.300	03/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	03/15/2022	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	03/16/2022	ND	202	101	200	3.19	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	200	100	200	9.47	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 102 % 66.9-136

Surrogate: 1-Chlorooctadecane 106 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 78 @ 5' (H220996-78)

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	03/16/2022	ND	1.92	95.9	2.00	7.50		
Toluene*	<0.050	0.050	03/16/2022	ND	1.93	96.5	2.00	7.40		
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.86	93.2	2.00	7.18		
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.79	96.6	6.00	6.18		
Total BTEX	<0.300	0.300	03/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500Cl-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	03/15/2022	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	03/16/2022	ND	202	101	200	3.19	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	200	100	200	9.47	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 79.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 80.7 % 59.5-142

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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:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 79 @ 5' (H220996-79)

BTX 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	03/16/2022	ND	1.92	95.9	2.00	7.50		
Toluene*	<0.050	0.050	03/16/2022	ND	1.93	96.5	2.00	7.40		
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.86	93.2	2.00	7.18		
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.79	96.6	6.00	6.18		
Total BTX	<0.300	0.300	03/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-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	03/15/2022	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	03/16/2022	ND	202	101	200	3.19	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	200	100	200	9.47	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 85.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 88.5 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: BOTTOM 80 @ 5' (H220996-80)

BTX 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	03/16/2022	ND	1.92	95.9	2.00	7.50		
Toluene*	<0.050	0.050	03/16/2022	ND	1.93	96.5	2.00	7.40		
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.86	93.2	2.00	7.18		
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.79	96.6	6.00	6.18		
Total BTX	<0.300	0.300	03/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	03/15/2022	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	03/16/2022	ND	202	101	200	3.19	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	200	100	200	9.47	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 82.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 85.0 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: SIDEWALL 1 (H220996-81)

BTX 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	03/16/2022	ND	1.92	95.9	2.00	7.50		
Toluene*	<0.050	0.050	03/16/2022	ND	1.93	96.5	2.00	7.40		
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.86	93.2	2.00	7.18		
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.79	96.6	6.00	6.18		
Total BTX	<0.300	0.300	03/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

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	03/15/2022	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	03/16/2022	ND	202	101	200	3.19	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	200	100	200	9.47	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 77.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 80.9 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: SIDEWALL 2 (H220996-82)

BTX 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	03/16/2022	ND	1.92	95.9	2.00	7.50		
Toluene*	<0.050	0.050	03/16/2022	ND	1.93	96.5	2.00	7.40		
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.86	93.2	2.00	7.18		
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.79	96.6	6.00	6.18		
Total BTX	<0.300	0.300	03/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-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	03/15/2022	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	03/16/2022	ND	202	101	200	3.19	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	200	100	200	9.47	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 82.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 83.7 % 59.5-142

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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:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: SIDEWALL 3 (H220996-83)

BTX 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	03/16/2022	ND	1.92	95.9	2.00	7.50		
Toluene*	<0.050	0.050	03/16/2022	ND	1.93	96.5	2.00	7.40		
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.86	93.2	2.00	7.18		
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.79	96.6	6.00	6.18		
Total BTX	<0.300	0.300	03/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

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	03/15/2022	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	03/16/2022	ND	202	101	200	3.19	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	200	100	200	9.47	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 86.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 87.1 % 59.5-142

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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:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: SIDEWALL 4 (H220996-84)

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	03/16/2022	ND	1.92	95.9	2.00	7.50		
Toluene*	<0.050	0.050	03/16/2022	ND	1.93	96.5	2.00	7.40		
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.86	93.2	2.00	7.18		
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.79	96.6	6.00	6.18		
Total BTEx	<0.300	0.300	03/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	03/15/2022	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	03/16/2022	ND	202	101	200	3.19	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	200	100	200	9.47	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 105 % 66.9-136

Surrogate: 1-Chlorooctadecane 111 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: SIDEWALL 5 (H220996-85)

BTX 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	03/16/2022	ND	1.92	95.9	2.00	7.50		
Toluene*	<0.050	0.050	03/16/2022	ND	1.93	96.5	2.00	7.40		
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.86	93.2	2.00	7.18		
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.79	96.6	6.00	6.18		
Total BTX	<0.300	0.300	03/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/15/2022	ND	416	104	400	3.77	

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	03/16/2022	ND	202	101	200	3.19	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	200	100	200	9.47	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 83.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 88.3 % 59.5-142

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Analytical Results For:

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Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: SIDEWALL 6 (H220996-86)

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	03/16/2022	ND	1.92	95.9	2.00	7.50		
Toluene*	<0.050	0.050	03/16/2022	ND	1.93	96.5	2.00	7.40		
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.86	93.2	2.00	7.18		
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.79	96.6	6.00	6.18		
Total BTEx	<0.300	0.300	03/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	03/15/2022	ND	416	104	400	3.77		

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	03/17/2022	ND	202	101	200	3.19	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	200	100	200	9.47	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 79.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 86.0 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: SIDEWALL 7 (H220996-87)

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	03/16/2022	ND	1.92	95.9	2.00	7.50		
Toluene*	<0.050	0.050	03/16/2022	ND	1.93	96.5	2.00	7.40		
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.86	93.2	2.00	7.18		
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.79	96.6	6.00	6.18		
Total BTEx	<0.300	0.300	03/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

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	03/15/2022	ND	416	104	400	3.77		

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	03/17/2022	ND	202	101	200	3.19	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	200	100	200	9.47	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 77.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 81.3 % 59.5-142

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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:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: SIDEWALL 8 (H220996-88)

BTX 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	03/16/2022	ND	1.92	95.9	2.00	7.50		
Toluene*	<0.050	0.050	03/16/2022	ND	1.93	96.5	2.00	7.40		
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.86	93.2	2.00	7.18		
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.79	96.6	6.00	6.18		
Total BTX	<0.300	0.300	03/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-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	03/15/2022	ND	416	104	400	3.77		

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	03/17/2022	ND	202	101	200	3.19	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	200	100	200	9.47	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 84.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 88.1 % 59.5-142

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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:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: SIDEWALL 9 (H220996-89)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/16/2022	ND	1.83	91.4	2.00	11.5		
Toluene*	<0.050	0.050	03/16/2022	ND	1.95	97.5	2.00	4.95		
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.89	94.7	2.00	6.93		
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.84	97.4	6.00	8.17		
Total BTX	<0.300	0.300	03/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	03/15/2022	ND	416	104	400	3.77		

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	03/16/2022	ND	197	98.3	200	1.89	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	198	99.0	200	4.89	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 120 % 66.9-136

Surrogate: 1-Chlorooctadecane 124 % 59.5-142

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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:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: SIDEWALL 10 (H220996-90)

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	03/16/2022	ND	1.93	96.3	2.00	5.96		
Toluene*	<0.050	0.050	03/16/2022	ND	1.92	96.1	2.00	6.81		
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.94	97.1	2.00	5.27		
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.99	99.9	6.00	5.09		
Total BTEx	<0.300	0.300	03/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-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	03/15/2022	ND	416	104	400	3.77		

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	03/16/2022	ND	197	98.3	200	1.89	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	198	99.0	200	4.89	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 119 % 66.9-136

Surrogate: 1-Chlorooctadecane 123 % 59.5-142

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Analytical Results For:

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: SIDEWALL 11 (H220996-91)

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	03/16/2022	ND	1.93	96.3	2.00	5.96		
Toluene*	<0.050	0.050	03/16/2022	ND	1.92	96.1	2.00	6.81		
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.94	97.1	2.00	5.27		
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.99	99.9	6.00	5.09		
Total BTEx	<0.300	0.300	03/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	03/15/2022	ND	416	104	400	3.77		

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	03/16/2022	ND	197	98.3	200	1.89	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	198	99.0	200	4.89	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 104 % 66.9-136

Surrogate: 1-Chlorooctadecane 105 % 59.5-142

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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:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: SIDEWALL 12 (H220996-92)

BTX 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	03/16/2022	ND	1.93	96.3	2.00	5.96		
Toluene*	<0.050	0.050	03/16/2022	ND	1.92	96.1	2.00	6.81		
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.94	97.1	2.00	5.27		
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.99	99.9	6.00	5.09		
Total BTX	<0.300	0.300	03/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-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	03/15/2022	ND	416	104	400	3.77	

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	03/16/2022	ND	197	98.3	200	1.89	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	198	99.0	200	4.89	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 105 % 66.9-136

Surrogate: 1-Chlorooctadecane 105 % 59.5-142

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Analytical Results For:

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: SIDEWALL 13 (H220996-93)

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	03/16/2022	ND	1.93	96.3	2.00	5.96		
Toluene*	<0.050	0.050	03/16/2022	ND	1.92	96.1	2.00	6.81		
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.94	97.1	2.00	5.27		
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.99	99.9	6.00	5.09		
Total BTEx	<0.300	0.300	03/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

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	03/15/2022	ND	416	104	400	3.77		

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	03/16/2022	ND	197	98.3	200	1.89	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	198	99.0	200	4.89	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 104 % 66.9-136

Surrogate: 1-Chlorooctadecane 104 % 59.5-142

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Analytical Results For:

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 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: SIDEWALL 14 (H220996-94)

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	03/16/2022	ND	1.93	96.3	2.00	5.96		
Toluene*	<0.050	0.050	03/16/2022	ND	1.92	96.1	2.00	6.81		
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.94	97.1	2.00	5.27		
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.99	99.9	6.00	5.09		
Total BTEx	<0.300	0.300	03/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	03/15/2022	ND	416	104	400	3.77		

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	03/16/2022	ND	197	98.3	200	1.89	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	198	99.0	200	4.89	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 107 % 66.9-136

Surrogate: 1-Chlorooctadecane 107 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: SIDEWALL 15 (H220996-95)

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	03/16/2022	ND	1.93	96.3	2.00	5.96		
Toluene*	<0.050	0.050	03/16/2022	ND	1.92	96.1	2.00	6.81		
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.94	97.1	2.00	5.27		
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.99	99.9	6.00	5.09		
Total BTEx	<0.300	0.300	03/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	03/15/2022	ND	416	104	400	3.77		

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	03/16/2022	ND	197	98.3	200	1.89	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	198	99.0	200	4.89	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 111 % 66.9-136

Surrogate: 1-Chlorooctadecane 111 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	(11-5-19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

Sample ID: SIDEWALL 16 (H220996-96)

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	03/16/2022	ND	1.93	96.3	2.00	5.96		
Toluene*	<0.050	0.050	03/16/2022	ND	1.92	96.1	2.00	6.81		
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.94	97.1	2.00	5.27		
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.99	99.9	6.00	5.09		
Total BTEx	<0.300	0.300	03/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

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	03/15/2022	ND	416	104	400	3.77		

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	03/16/2022	ND	197	98.3	200	1.89	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	198	99.0	200	4.89	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 112 % 66.9-136

Surrogate: 1-Chlorooctadecane 113 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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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.
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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

**CARDINAL LABORATORIES**
 101 East Marland, Hobbs, NM 88240
 (505) 393-2326 FAX (505) 393-2476
CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.

Project Manager: Cliff Brunson

Address: P.O. Box 805

City: Hobbs

Phone #: 575-397-6388

Project #:

Project Name: OXBOW CC 17-8 FED COM #32H (11/5/19)

Project Location: NEW MEXICO

Sampler Name: ROGER

P.O. #:

Company:

Attn:

Address:

City:

State: Zip:

Phone #:

Fax #:

BILL TO**ANALYSIS REQUEST**

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	CL	BTX	TPHEXT
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
1	BOTTOM 1 @ 2'									3/8/22	9:00AM	✓	✓	✓
2	BOTTOM 2 @ 2'									3/8/22	9:05AM	✓	✓	✓
3	BOTTOM 3 @ 2'									3/8/22	9:10AM	✓	✓	✓
4	BOTTOM 4 @ 2'									3/8/22	9:15AM	✓	✓	✓
5	BOTTOM 5 @ 2'									3/8/22	9:20AM	✓	✓	✓
6	BOTTOM 6 @ 2'									3/8/22	9:25AM	✓	✓	✓
7	BOTTOM 7 @ 2'									3/8/22	9:30AM	✓	✓	✓
8	BOTTOM 8 @ 2'									3/8/22	9:35AM	✓	✓	✓
9	BOTTOM 9 @ 2'									3/8/22	9:40AM	✓	✓	✓
10	BOTTOM 10 @ 2'									3/8/22	9:45AM	✓	✓	✓

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Relinquished By:

Date: 5.9.22

Received By:

Relinquished By:

Date: 5.10.22

Received By:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

 Sample Condition
☒ Cool
☐ Intact
☐ Yes
☐ No
 CHECKED BY: (Initials)

 Phone Result: ☐ Yes ☐ No Add'l Phone #:
 Fax Result: ☐ Yes ☐ No Add'l Fax #:
 REMARKS:

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 0

Company Name: BBC International, Inc. Project Manager: Cliff Brunson Address: P.O. Box 805 City: Hobbs Phone #: 575-397-6388 Project #: Project Name: OXBOW CC 17-8 FED COM #32H (11/5/19) Project Location: NEW MEXICO Sampler Name: ROGER		P.O. #: Company: Attn: Address: City: State: Zip: Phone #: Fax #:	
FOR LAB USE ONLY		BILL TO	
Lab I.D. H2209916 Sample I.D.		ANALYSIS REQUEST	
Bottom 11 @ 2' Bottom 12 @ 2' Bottom 13 @ 2' Bottom 14 @ 2' Bottom 15 @ 2' Bottom 16 @ 2' Bottom 17 @ 2' Bottom 18 @ 2' Bottom 19 @ 2' Bottom 20 @ 2'		DATE TIME CL BTEX TPH-EXT	
Relinquished By: [Signature] Reinforced By: [Signature] Delivered By: [Signature] Sampler - UPS - Bus - Other:		REMARKS:	



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: BBC International, Inc. Project Manager: Cliff Brunson Address: P.O. Box 805 City: Hobbs Phone #: 575-397-6388 Project #: Project Name: OXBOW CC 17-8 FED COM #32H (11/5/19) Project Location: NEW MEXICO Sampler Name: ROGER				P.O. #: Company: Attn: Address: City: State: Zip: Phone #: Fax #:				BILL TO				ANALYSIS REQUEST																							
FOR LAB USE ONLY																																			
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME		CL		BTEX		TPH EXT	
H2209410		21		BOTTOM 21 @ 2'		1		1		1		1		1		1		1		1		1		1		1		1		1		1		1	
22		22		BOTTOM 22 @ 2'		1		1		1		1		1		1		1		1		1		1		1		1		1		1		1	
23		23		BOTTOM 23 @ 2'		1		1		1		1		1		1		1		1		1		1		1		1		1		1		1	
24		24		BOTTOM 24 @ 2'		1		1		1		1		1		1		1		1		1		1		1		1		1		1		1	
25		25		BOTTOM 25 @ 2'		1		1		1		1		1		1		1		1		1		1		1		1		1		1		1	
26		26		BOTTOM 26 @ 2'		1		1		1		1		1		1		1		1		1		1		1		1		1		1		1	
27		27		BOTTOM 27 @ 2'		1		1		1		1		1		1		1		1		1		1		1		1		1		1		1	
28		28		BOTTOM 28 @ 2'		1		1		1		1		1		1		1		1		1		1		1		1		1		1		1	
29		29		BOTTOM 29 @ 2'		1		1		1		1		1		1		1		1		1		1		1		1		1		1		1	
30		30		BOTTOM 30 @ 3'		1		1		1		1		1		1		1		1		1		1		1		1		1		1		1	

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--	--



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

212

Phone Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Add'l Phone #
Fax Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Add'l Fax #:
REMARKS:			

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST

Company: ONY
 Attn: _____
 Address: _____
 City: _____
 State: _____ Zip: _____
 Phone #: _____
 Fax #: _____

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There is no handwriting or other markings on the paper.H220996[illegible]

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Date: 3/9/22 Received By: [Signature]

Time: 1:10Cool

Sample Condition	Checked By:
<input checked="" type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	(Initials) Y

Phone Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Add'l Phone #:
Fax Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Add'l Fax #:
REMARKS:			

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

69

Company Name: BBC International, Inc.		P.O. #:		ANALYSIS REQUEST	
Project Manager: Cliff Brunson		Company:			
Address: P.O. Box 805		Attn:			
City: Hobbs		Address:			
Phone #: 575-397-6388		City:			
Fax #: 575-397-0397		State:			
Project #:		Zip:			
Project Name: OXBOW CC 17-8 FED COM #32H (11/5/19)		Phone #:			
Project Location: NEW MEXICO		Fax #:			
Sampler Name: ROGER					
FOR LAB USE ONLY					
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV
				GROUNDWATER	
				WASTEWATER	
				SOIL	
				OIL	
				SLUDGE	
				OTHER :	
				ACID/BASE:	
				ICE / COOL	
				OTHER :	
				DATE	TIME
51	BOTTOM 51 @ 3'			3/8/22	1:55PM
52	BOTTOM 52 @ 3'			3/8/22	1:30PM
53	BOTTOM 53 @ 3'			3/8/22	1:30PM
54	BOTTOM 54 @ 3'			3/8/22	1:30PM
55	BOTTOM 55 @ 3'			3/8/22	1:35PM
56	BOTTOM 56 @ 3'			3/8/22	1:40PM
57	BOTTOM 57 @ 3'			3/8/22	1:45PM
58	BOTTOM 58 @ 5'			3/8/22	1:50PM
59	BOTTOM 59 @ 5'			3/8/22	1:55PM
60	BOTTOM 60 @ 5'			3/8/22	2:00PM
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Relinquished By:	Date: 3/16/22	Received By:	Date: 3/16/22		
Time: 5:00		Time: 5:00			
Relinquished By: [Signature]		Received By: [Signature]			
Delivered By: (Circle One)	Time: 3:10	Sample Condition	CHECKED BY: (Initials)		
Sampler - UPS - Bus - Other:	-5.22 @ 0.05	Cool	Intact		
	-5.76 #115	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes		
		<input type="checkbox"/> No	<input type="checkbox"/> No		
† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476					
REMARKS:					
Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:			
Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:			



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

for

Page 105 of 108



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

8 of 8

Company Name: BBC International, Inc.
Project Manager: Cliff Brunson

Address: P.O. Box 805

City: Hobbs

Phone #: 575-397-6388

Project #:

Project Name: OXBOW CC 17-8 FED COM #32H (11/5/19)

Project Location: NEW MEXICO

Sampler Name: ROGER

BILL TO

ANALYSIS REQUEST

P.O. #:

Company:

Attn:

Address:

City:

State: Zip:

Phone #:

Fax #:

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

H220910

DATE	TIME	CL	BTEX	TPH-EXT
3/8/22	2:55PM	✓	✓	✓
3/8/22	3:00PM	✓	✓	✓
3/8/22	3:05PM	✓	✓	✓
3/8/22	3:10PM	✓	✓	✓
3/8/22	3:15PM	✓	✓	✓
3/8/22	3:20PM	✓	✓	✓
3/8/22	3:25PM	✓	✓	✓
3/8/22	3:30PM	✓	✓	✓
3/8/22	3:35PM	✓	✓	✓
3/8/22	3:40PM	✓	✓	✓

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Relinquished By:

Date: 3/9/22 Received By:

Relinquished By:

Date: 3-11-22

Relinquished By:

Date: 3-11-22

Delivered By: (Circle One)

Date: 3-11-22

Sampler - UPS - Bus - Other:

Date: 3-11-22

Sampler - UPS - Bus - Other:

Date: 3-11-22

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: BBC International, Inc. Project Manager: Cliff Brunson Address: P.O. Box 805 City: Hobbs Phone #: 575-397-6388 Fax #: 575-397-0397 Project #: Project Name: OXBOW CC 17-8 FED COM #32H (11/5/19) Project Location: NEW MEXICO Sampler Name: ROGER		P.O. #: Company: <i>Oxy</i> Attn: Address: City: State: Zip: Phone #: Fax #:	
Lab I.D. Sample I.D.		BILL TO	
FOR LAB USE ONLY (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:		MATRIX PRESERV SAMPLING	
DATE TIME		CL BTEX TPH EXT	
3/8/22 3:45PM 3/8/22 3:50PM 3/8/22 3:55PM 3/8/22 4:00PM 3/8/22 4:05PM 3/8/22 4:10PM 3/8/22 4:15PM 3/8/22 4:20PM 3/8/22 4:25PM 3/8/22 4:30PM		✓ ✓	

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Relinquished By: <i>[Signature]</i> Date: 3/9/22 Time: 3:00 Received By: <i>[Signature]</i> Date: 3-11-22 Time: 12:10 Delivered By: (circle one) <i>[Signature]</i> Sampler - UPS - Bus - Other: <i>[Signature]</i> Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> CHECKED BY: <i>[Signature]</i> REMARKS:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: REMARKS:
--	---



ARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

104

Company Name: BBC International, Inc.

Project Manager: Cliff Brunson

Address: P.O. Box 805

City: Hobbs

Phone #: 575-397-6388

Project #:

Project Name: OXBOW CC 17-8 FED COM #32H (11/5/19)

Project Location: NEW MEXICO

Sampler Name: ROGER

FOR LAB USE ONLY

BILL TO

ANALYSIS REQUEST

P.O. #:

Company:

Attn:

Address:

City:

State:

Zip:

Phone #:

Fax #:

Lab I.D.

Sample I.D.

H21C990
41

42 SIDEWALL 11
43 SIDEWALL 12
44 SIDEWALL 13
45 SIDEWALL 14
46 SIDEWALL 15
47 SIDEWALL 16

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

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PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal. Liability of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:

Date: 3/9/22 Received By:

Relinquished By:

Date: 5-00 Received By:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

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

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS:

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 107911

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 107911
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	8/29/2022