

Closure Report

Incident ID: nRM2024823071

Site Description

Site Name:	Federal 23-2
Company:	Oxy, Permian
Legal Description:	U/L I, Section 23, T22S, R31E
County:	EDDY COUNTY, NM
GPS Coordinates:	N 32.37453 W 103.74210

Release Data

Date of Release:	8/24/2020
Type of Release:	CRUDE OIL/PRODUCE WATER
Source of Release:	STUFFING BOX LEAK/FAULTY BACK PRESSURE VALVE
Volume of Release:	3BBL OF CRUDE OIL / 10 BBLS OF PRODUCE WATER
Volume Recovered:	2 BBLS OF CRUDE OIL / 8 BBLS OF PRODUCE WATER

Remediation Specifications

Remediation Parameters:	The leak area near SP1 & SP4 - SP6(blue shade on diagram) will be excavated to a depth of 1 foot. The leak area near SP2(Yellow shade of diagram) will be excavated to a depth of 2 feet. The leak area near SP3(green shade on diagram) will be excavated to a depth of 3 feet. The leak area near SP7-SP9(white shade on diagram) will require zero remediation. Oxy will collect sidewall & confirmation samples every 200 sq ft(see COAs). The entire site will then be backfilled with clean soil and revegetated(if warranted to the standards of the the appropriate regulatory agency or provide surface owner.	
Remediation Activities:	6/11/21 to 7/2/21	
Plan Sent to OCD:	2/8/2021	From Cliff to Spill@blm.gov and Crisha Morgan
OCD Approval of Plan:	3/24/2021	From OCD to John Dittrich
Plan Sent to BLM:	2/8/2021	From Cliff to Spill@blm.gov and Crisha Morgan
BLM Approval of Plan:	2/17/2021	From James Amos to Cliff and Wade

Supporting Documentation

Initial C-141	signed and included	
C-141, page 6	signed and included	
Site Diagram	Google Earth map with excavation depths & confirmation sample points	
Pictures	Remediation photos	
Lab Summary/Analysis	Confirmation lab summary/analysis report for 2/20/20	
Depth to Groundwater	USGS Info	

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.

7/8/2021

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	NRM2024823071
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OXY USA INC.	OGRID	16696
Contact Name	WADE DITTRICH	Contact Telephone	(575) 390-2828
Contact email	WADE_DITTRICH@OXY.COM	Incident # (assigned by OCD)	
Contact mailing address	PO BOX 4294; HOUSTON, TX 77210		

Location of Release Source

Latitude 32.37453 Longitude 103.74210
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	FEDERAL 23-2	Site Type	WELL
Date Release Discovered	8-24-20	API# (if applicable)	30-015-26932

Unit Letter	Section	Township	Range	County
I	23	T22S	R31E	EDDY COUNTY, NM

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 3 BBLS	Volume Recovered (bbls) 2 BBLS
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 10 BBLS	Volume Recovered (bbls) 8 BBLS
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

STUFFING BOX LEAK/FAULTY BACK PRESSURE VALVE

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State of New Mexico
Oil Conservation Division

Incident ID	NRM2024823071
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Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? 	

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why: 	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Wade Dittrich</u> Signature: <u></u> email: <u>wade_dittrich@oxy.com</u>	Title: <u>Environmental Coordinator</u> Date: <u>9-3-2020</u> Telephone: <u>(575) 390-2828</u>
<u>OCD Only</u> Received by: <u>Ramona Marcus</u> Date: <u>9/4/2020</u>	

Form C-141

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State of New Mexico
Oil Conservation Division

Incident ID	NRM2024823071
District RP	
Facility ID	
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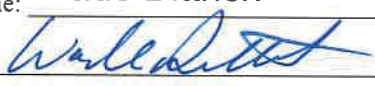
Closure

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

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 Coordinator
Signature:  Date: 7-16-21
email: wade_dittrich@oxy.com Telephone: (575) 390-2828

OCD Only

Received by: Chad Hensley Date: 10/12/2021

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:  Date: 10/12/2021
Printed Name: Chad Hensley Title: Environmental Specialist Advanced

OXY FEDERAL 23-2

LEAK DATE 8/24/20
EDDY COUNTY, NM
INCIDENT ID: NRM2024823071

Legend

1' EXCAVATION

2' EXCAVATION

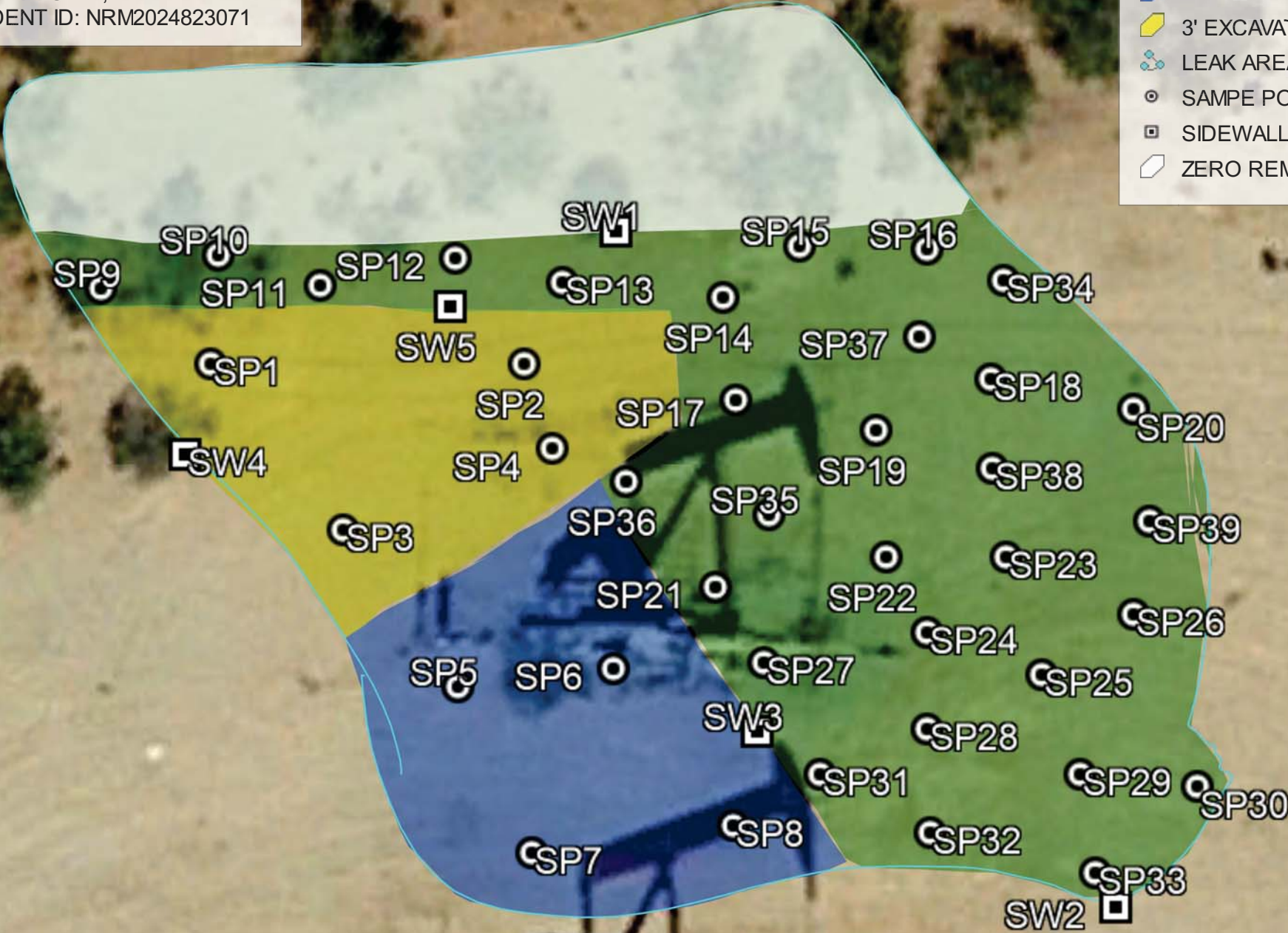
3' EXCAVATION

LEAK AREA

SAMPE POINTS

SIDEWALLS

ZERO REMEDIATION



OXY FEDERAL 23-2 (8/24/20)**GPS SIDEWALL POINTS**

SIDEWALL 1	32.374727°	-103.742305°
SIDEWALL 2	32.374503°	-103.742109°
SIDEWALL 3	32.374581°	-103.742264°
SIDEWALL 4	32.374653°	-103.742474°
SIDEWALL 5	32.374702°	-103.742370°

GPS SAMPLE POINTS

SP1	32.374683°	-103.742464°
SP2	32.374683°	-103.742341°
SP3	32.374628°	-103.742412°
SP4	32.374655°	-103.742330°
SP4	32.374576°	-103.742367°
SP6	32.374582°	-103.742306°
SP7	32.374521°	-103.742338°
SP8	32.374530°	-103.742259°
SP9	32.374708°	-103.742507°
SP10	32.374719°	-103.742461°
SP11	32.374709°	-103.742421°
SP12	32.374718°	-103.742368°
SP13	32.374710°	-103.742326°
SP14	32.374705°	-103.742263°
SP15	32.374722°	-103.742233°
SP16	32.374721°	-103.742183°
SP17	32.374671°	-103.742258°
SP18	32.374678°	-103.742158°
SP19	32.374661°	-103.742203°
SP20	32.374668°	-103.742102°
SP21	32.374609°	-103.742266°
SP22	32.374619°	-103.742199°
SP23	32.374619°	-103.742152°
SP24	32.374594°	-103.742183°
SP25	32.374580°	-103.742138°
SP26	32.374600°	-103.742102°
SP27	32.374584°	-103.742247°
SP28	32.374562°	-103.742183°
SP29	32.374547°	-103.742123°
SP30	32.374543°	-103.742077°
SP31	32.374547°	-103.742225°
SP32	32.374619°	-103.742152°
SP33	32.374514°	-103.742117°
SP34	32.374711°	-103.742153°
SP35	32.374633°	-103.742245°
SP36	32.374644°	-103.742301°
SP37	32.374692°	-103.742186°
SP38	32.374648°	-103.742157°
SP39	32.374631°	-103.742096°

Released to Imaging: 10/12/2021 11:51:27 AM

[illegible]

Laboratory Analytical Results Summary
Oxy, FEDERAL 23-2(8-24-20)

		Sample ID	SIDEWALL 1	SIDEWALL 2	SIDEWALL 3	SIDEWALL 4	SIDEWALL 5
Analyte	Method	Date	6/17/21	6/17/21	6/17/21	6/17/21	6/17/21
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		<16.0	<16.0	<16.0	<16.0	<16.0
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0













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

June 23, 2021

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: FEDERAL 23-2

Enclosed are the results of analyses for samples received by the laboratory on 06/22/21 14:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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 style with a large, stylized 'C' and 'K'.

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: 06/22/2021
 Reported: 06/23/2021
 Project Name: FEDERAL 23-2
 Project Number: (8-24-20)
 Project Location: OXY

Sampling Date: 06/17/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SIDEWALL 1 (H211614-01)

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	06/22/2021	ND	2.14	107	2.00	1.61	
Toluene*	<0.050	0.050	06/22/2021	ND	2.06	103	2.00	1.59	
Ethylbenzene*	<0.050	0.050	06/22/2021	ND	1.98	98.9	2.00	2.14	
Total Xylenes*	<0.150	0.150	06/22/2021	ND	5.99	99.9	6.00	2.12	
Total BTEX	<0.300	0.300	06/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	<16.0	16.0	06/23/2021	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	06/22/2021	ND	234	117	200	3.69	
DRO >C10-C28*	<10.0	10.0	06/22/2021	ND	214	107	200	0.930	
EXT DRO >C28-C36	<10.0	10.0	06/22/2021	ND					

Surrogate: 1-Chlorooctane 95.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 100 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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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: 06/22/2021
 Reported: 06/23/2021
 Project Name: FEDERAL 23-2
 Project Number: (8-24-20)
 Project Location: OXY

Sampling Date: 06/17/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SIDEWALL 2 (H211614-02)

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	06/22/2021	ND	2.14	107	2.00	1.61	
Toluene*	<0.050	0.050	06/22/2021	ND	2.06	103	2.00	1.59	
Ethylbenzene*	<0.050	0.050	06/22/2021	ND	1.98	98.9	2.00	2.14	
Total Xylenes*	<0.150	0.150	06/22/2021	ND	5.99	99.9	6.00	2.12	
Total BTX	<0.300	0.300	06/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	<16.0	16.0	06/23/2021	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	06/22/2021	ND	234	117	200	3.69	
DRO >C10-C28*	<10.0	10.0	06/22/2021	ND	214	107	200	0.930	
EXT DRO >C28-C36	<10.0	10.0	06/22/2021	ND					

Surrogate: 1-Chlorooctane 95.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 101 % 38.9-142

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*=Accredited Analyte

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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: 06/22/2021
 Reported: 06/23/2021
 Project Name: FEDERAL 23-2
 Project Number: (8-24-20)
 Project Location: OXY

Sampling Date: 06/17/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SIDEWALL 3 (H211614-03)

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	06/22/2021	ND	2.14	107	2.00	1.61	
Toluene*	<0.050	0.050	06/22/2021	ND	2.06	103	2.00	1.59	
Ethylbenzene*	<0.050	0.050	06/22/2021	ND	1.98	98.9	2.00	2.14	
Total Xylenes*	<0.150	0.150	06/22/2021	ND	5.99	99.9	6.00	2.12	
Total BTX	<0.300	0.300	06/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	<16.0	16.0	06/23/2021	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	06/22/2021	ND	234	117	200	3.69	
DRO >C10-C28*	<10.0	10.0	06/22/2021	ND	214	107	200	0.930	
EXT DRO >C28-C36	<10.0	10.0	06/22/2021	ND					

Surrogate: 1-Chlorooctane 94.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 96.3 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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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
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 Fax To: (575) 397-0397

Received: 06/22/2021
 Reported: 06/23/2021
 Project Name: FEDERAL 23-2
 Project Number: (8-24-20)
 Project Location: OXY

Sampling Date: 06/17/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SIDEWALL 4 (H211614-04)

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	06/22/2021	ND	2.14	107	2.00	1.61	
Toluene*	<0.050	0.050	06/22/2021	ND	2.06	103	2.00	1.59	
Ethylbenzene*	<0.050	0.050	06/22/2021	ND	1.98	98.9	2.00	2.14	
Total Xylenes*	<0.150	0.150	06/22/2021	ND	5.99	99.9	6.00	2.12	
Total BTX	<0.300	0.300	06/22/2021	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	<16.0	16.0	06/23/2021	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	06/22/2021	ND	234	117	200	3.69	
DRO >C10-C28*	<10.0	10.0	06/22/2021	ND	214	107	200	0.930	
EXT DRO >C28-C36	<10.0	10.0	06/22/2021	ND					

Surrogate: 1-Chlorooctane 97.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 99.4 % 38.9-142

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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: 06/22/2021
 Reported: 06/23/2021
 Project Name: FEDERAL 23-2
 Project Number: (8-24-20)
 Project Location: OXY

Sampling Date: 06/17/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SIDEWALL 5 (H211614-05)

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	06/22/2021	ND	2.02	101	2.00	1.12	
Toluene*	<0.050	0.050	06/22/2021	ND	2.11	105	2.00	3.53	
Ethylbenzene*	<0.050	0.050	06/22/2021	ND	2.05	102	2.00	1.59	
Total Xylenes*	<0.150	0.150	06/22/2021	ND	6.20	103	6.00	0.815	
Total BTX	<0.300	0.300	06/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	<16.0	16.0	06/23/2021	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	06/22/2021	ND	234	117	200	3.69	
DRO >C10-C28*	<10.0	10.0	06/22/2021	ND	214	107	200	0.930	
EXT DRO >C28-C36	<10.0	10.0	06/22/2021	ND					

Surrogate: 1-Chlorooctane 94.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 96.2 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received: 06/22/2021
 Reported: 06/23/2021
 Project Name: FEDERAL 23-2
 Project Number: (8-24-20)
 Project Location: OXY

Sampling Date: 06/18/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: BOTTOM 1 @ 1' (H211614-06)

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	06/22/2021	ND	2.02	101	2.00	1.12	
Toluene*	<0.050	0.050	06/22/2021	ND	2.11	105	2.00	3.53	
Ethylbenzene*	<0.050	0.050	06/22/2021	ND	2.05	102	2.00	1.59	
Total Xylenes*	<0.150	0.150	06/22/2021	ND	6.20	103	6.00	0.815	
Total BTEx	<0.300	0.300	06/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	16.0	16.0	06/23/2021	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	06/22/2021	ND	234	117	200	3.69	
DRO >C10-C28*	<10.0	10.0	06/22/2021	ND	214	107	200	0.930	
EXT DRO >C28-C36	<10.0	10.0	06/22/2021	ND					

Surrogate: 1-Chlorooctane 90.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 92.2 % 38.9-142

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Analytical Results For:

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

Received: 06/22/2021
 Reported: 06/23/2021
 Project Name: FEDERAL 23-2
 Project Number: (8-24-20)
 Project Location: OXY

Sampling Date: 06/18/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: BOTTOM 2 @ 1' (H211614-07)

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	06/22/2021	ND	2.02	101	2.00	1.12	
Toluene*	<0.050	0.050	06/22/2021	ND	2.11	105	2.00	3.53	
Ethylbenzene*	<0.050	0.050	06/22/2021	ND	2.05	102	2.00	1.59	
Total Xylenes*	<0.150	0.150	06/22/2021	ND	6.20	103	6.00	0.815	
Total BTEx	<0.300	0.300	06/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 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	<16.0	16.0	06/23/2021	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	06/22/2021	ND	234	117	200	3.69	
DRO >C10-C28*	<10.0	10.0	06/22/2021	ND	214	107	200	0.930	
EXT DRO >C28-C36	<10.0	10.0	06/22/2021	ND					

Surrogate: 1-Chlorooctane 85.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 89.6 % 38.9-142

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Analytical Results For:

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Received: 06/22/2021
 Reported: 06/23/2021
 Project Name: FEDERAL 23-2
 Project Number: (8-24-20)
 Project Location: OXY

Sampling Date: 06/18/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: BOTTOM 3 @ 1' (H211614-08)

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	06/22/2021	ND	2.02	101	2.00	1.12		
Toluene*	<0.050	0.050	06/22/2021	ND	2.11	105	2.00	3.53		
Ethylbenzene*	<0.050	0.050	06/22/2021	ND	2.05	102	2.00	1.59		
Total Xylenes*	<0.150	0.150	06/22/2021	ND	6.20	103	6.00	0.815		
Total BTEx	<0.300	0.300	06/22/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 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	<16.0	16.0	06/23/2021	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	06/22/2021	ND	234	117	200	3.69	
DRO >C10-C28*	<10.0	10.0	06/22/2021	ND	214	107	200	0.930	
EXT DRO >C28-C36	<10.0	10.0	06/22/2021	ND					

Surrogate: 1-Chlorooctane 83.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 89.1 % 38.9-142

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Analytical Results For:

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Received: 06/22/2021
 Reported: 06/23/2021
 Project Name: FEDERAL 23-2
 Project Number: (8-24-20)
 Project Location: OXY

Sampling Date: 06/18/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: BOTTOM 4 @ 1' (H211614-09)

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	06/22/2021	ND	2.02	101	2.00	1.12	
Toluene*	<0.050	0.050	06/22/2021	ND	2.11	105	2.00	3.53	
Ethylbenzene*	<0.050	0.050	06/22/2021	ND	2.05	102	2.00	1.59	
Total Xylenes*	<0.150	0.150	06/22/2021	ND	6.20	103	6.00	0.815	
Total BTEx	<0.300	0.300	06/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 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	<16.0	16.0	06/23/2021	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	06/22/2021	ND	234	117	200	3.69	
DRO >C10-C28*	<10.0	10.0	06/22/2021	ND	214	107	200	0.930	
EXT DRO >C28-C36	<10.0	10.0	06/22/2021	ND					

Surrogate: 1-Chlorooctane 91.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 95.9 % 38.9-142

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Analytical Results For:

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 P.O. Box 805
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Received: 06/22/2021
 Reported: 06/23/2021
 Project Name: FEDERAL 23-2
 Project Number: (8-24-20)
 Project Location: OXY

Sampling Date: 06/18/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: BOTTOM 5 @ 1' (H211614-10)

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	06/22/2021	ND	2.02	101	2.00	1.12	
Toluene*	<0.050	0.050	06/22/2021	ND	2.11	105	2.00	3.53	
Ethylbenzene*	<0.050	0.050	06/22/2021	ND	2.05	102	2.00	1.59	
Total Xylenes*	<0.150	0.150	06/22/2021	ND	6.20	103	6.00	0.815	
Total BTEx	<0.300	0.300	06/22/2021	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	<16.0	16.0	06/23/2021	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	06/22/2021	ND	234	117	200	3.69	
DRO >C10-C28*	<10.0	10.0	06/22/2021	ND	214	107	200	0.930	
EXT DRO >C28-C36	<10.0	10.0	06/22/2021	ND					

Surrogate: 1-Chlorooctane 85.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 86.6 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received: 06/22/2021
 Reported: 06/23/2021
 Project Name: FEDERAL 23-2
 Project Number: (8-24-20)
 Project Location: OXY

Sampling Date: 06/18/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: BOTTOM 6 @ 1' (H211614-11)

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	06/22/2021	ND	2.02	101	2.00	1.12	
Toluene*	<0.050	0.050	06/22/2021	ND	2.11	105	2.00	3.53	
Ethylbenzene*	<0.050	0.050	06/22/2021	ND	2.05	102	2.00	1.59	
Total Xylenes*	<0.150	0.150	06/22/2021	ND	6.20	103	6.00	0.815	
Total BTEx	<0.300	0.300	06/22/2021	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	<16.0	16.0	06/23/2021	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	06/22/2021	ND	234	117	200	3.69	
DRO >C10-C28*	<10.0	10.0	06/22/2021	ND	214	107	200	0.930	
EXT DRO >C28-C36	<10.0	10.0	06/22/2021	ND					

Surrogate: 1-Chlorooctane 92.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 93.7 % 38.9-142

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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: 06/22/2021
 Reported: 06/23/2021
 Project Name: FEDERAL 23-2
 Project Number: (8-24-20)
 Project Location: OXY

Sampling Date: 06/18/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: BOTTOM 7 @ 1' (H211614-12)

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	06/22/2021	ND	2.02	101	2.00	1.12		
Toluene*	<0.050	0.050	06/22/2021	ND	2.11	105	2.00	3.53		
Ethylbenzene*	<0.050	0.050	06/22/2021	ND	2.05	102	2.00	1.59		
Total Xylenes*	<0.150	0.150	06/22/2021	ND	6.20	103	6.00	0.815		
Total BTEx	<0.300	0.300	06/22/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	<16.0	16.0	06/23/2021	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	06/22/2021	ND	234	117	200	3.69	
DRO >C10-C28*	<10.0	10.0	06/22/2021	ND	214	107	200	0.930	
EXT DRO >C28-C36	<10.0	10.0	06/22/2021	ND					

Surrogate: 1-Chlorooctane 96.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 97.5 % 38.9-142

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Analytical Results For:

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Received: 06/22/2021
 Reported: 06/23/2021
 Project Name: FEDERAL 23-2
 Project Number: (8-24-20)
 Project Location: OXY

Sampling Date: 06/18/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: BOTTOM 8 @ 1' (H211614-13)

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	06/22/2021	ND	2.02	101	2.00	1.12	
Toluene*	<0.050	0.050	06/22/2021	ND	2.11	105	2.00	3.53	
Ethylbenzene*	<0.050	0.050	06/22/2021	ND	2.05	102	2.00	1.59	
Total Xylenes*	<0.150	0.150	06/22/2021	ND	6.20	103	6.00	0.815	
Total BTEx	<0.300	0.300	06/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 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	<16.0	16.0	06/23/2021	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	06/22/2021	ND	234	117	200	3.69	
DRO >C10-C28*	<10.0	10.0	06/22/2021	ND	214	107	200	0.930	
EXT DRO >C28-C36	<10.0	10.0	06/22/2021	ND					

Surrogate: 1-Chlorooctane 89.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 88.1 % 38.9-142

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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: 06/22/2021
 Reported: 06/23/2021
 Project Name: FEDERAL 23-2
 Project Number: (8-24-20)
 Project Location: OXY

Sampling Date: 06/18/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: BOTTOM 9 @ 1' (H211614-14)

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	06/22/2021	ND	2.02	101	2.00	1.12		
Toluene*	<0.050	0.050	06/22/2021	ND	2.11	105	2.00	3.53		
Ethylbenzene*	<0.050	0.050	06/22/2021	ND	2.05	102	2.00	1.59		
Total Xylenes*	<0.150	0.150	06/22/2021	ND	6.20	103	6.00	0.815		
Total BTEx	<0.300	0.300	06/22/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	<16.0	16.0	06/23/2021	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	06/22/2021	ND	234	117	200	3.69	
DRO >C10-C28*	<10.0	10.0	06/22/2021	ND	214	107	200	0.930	
EXT DRO >C28-C36	<10.0	10.0	06/22/2021	ND					

Surrogate: 1-Chlorooctane 91.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 94.5 % 38.9-142

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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: 06/22/2021
 Reported: 06/23/2021
 Project Name: FEDERAL 23-2
 Project Number: (8-24-20)
 Project Location: OXY

Sampling Date: 06/18/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: BOTTOM 10 @ 1' (H211614-15)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2021	ND	2.02	101	2.00	1.12	
Toluene*	<0.050	0.050	06/22/2021	ND	2.11	105	2.00	3.53	
Ethylbenzene*	<0.050	0.050	06/22/2021	ND	2.05	102	2.00	1.59	
Total Xylenes*	<0.150	0.150	06/22/2021	ND	6.20	103	6.00	0.815	
Total BTEX	<0.300	0.300	06/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	<16.0	16.0	06/23/2021	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	06/22/2021	ND	234	117	200	3.69	
DRO >C10-C28*	<10.0	10.0	06/22/2021	ND	214	107	200	0.930	
EXT DRO >C28-C36	<10.0	10.0	06/22/2021	ND					

Surrogate: 1-Chlorooctane 93.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 94.3 % 38.9-142

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Analytical Results For:

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Received: 06/22/2021
 Reported: 06/23/2021
 Project Name: FEDERAL 23-2
 Project Number: (8-24-20)
 Project Location: OXY

Sampling Date: 06/18/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: BOTTOM 11 @ 1' (H211614-16)

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	06/22/2021	ND	2.02	101	2.00	1.12	
Toluene*	<0.050	0.050	06/22/2021	ND	2.11	105	2.00	3.53	
Ethylbenzene*	<0.050	0.050	06/22/2021	ND	2.05	102	2.00	1.59	
Total Xylenes*	<0.150	0.150	06/22/2021	ND	6.20	103	6.00	0.815	
Total BTX	<0.300	0.300	06/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 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	<16.0	16.0	06/23/2021	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	06/22/2021	ND	234	117	200	3.69	
DRO >C10-C28*	<10.0	10.0	06/22/2021	ND	214	107	200	0.930	
EXT DRO >C28-C36	<10.0	10.0	06/22/2021	ND					

Surrogate: 1-Chlorooctane 93.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 95.5 % 38.9-142

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Analytical Results For:

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Received: 06/22/2021
 Reported: 06/23/2021
 Project Name: FEDERAL 23-2
 Project Number: (8-24-20)
 Project Location: OXY

Sampling Date: 06/18/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: BOTTOM 12 @ 1' (H211614-17)

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	06/22/2021	ND	2.02	101	2.00	1.12	
Toluene*	<0.050	0.050	06/22/2021	ND	2.11	105	2.00	3.53	
Ethylbenzene*	<0.050	0.050	06/22/2021	ND	2.05	102	2.00	1.59	
Total Xylenes*	<0.150	0.150	06/22/2021	ND	6.20	103	6.00	0.815	
Total BTX	<0.300	0.300	06/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 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	<16.0	16.0	06/23/2021	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	06/22/2021	ND	234	117	200	3.69	
DRO >C10-C28*	<10.0	10.0	06/22/2021	ND	214	107	200	0.930	
EXT DRO >C28-C36	<10.0	10.0	06/22/2021	ND					

Surrogate: 1-Chlorooctane 85.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 86.8 % 38.9-142

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Received: 06/22/2021
 Reported: 06/23/2021
 Project Name: FEDERAL 23-2
 Project Number: (8-24-20)
 Project Location: OXY

Sampling Date: 06/18/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: BOTTOM 13 @ 1' (H211614-18)

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	06/22/2021	ND	2.02	101	2.00	1.12	
Toluene*	<0.050	0.050	06/22/2021	ND	2.11	105	2.00	3.53	
Ethylbenzene*	<0.050	0.050	06/22/2021	ND	2.05	102	2.00	1.59	
Total Xylenes*	<0.150	0.150	06/22/2021	ND	6.20	103	6.00	0.815	
Total BTX	<0.300	0.300	06/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	<16.0	16.0	06/23/2021	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	06/22/2021	ND	234	117	200	3.69	
DRO >C10-C28*	<10.0	10.0	06/22/2021	ND	214	107	200	0.930	
EXT DRO >C28-C36	<10.0	10.0	06/22/2021	ND					

Surrogate: 1-Chlorooctane 93.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 96.4 % 38.9-142

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Analytical Results For:

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Received: 06/22/2021
 Reported: 06/23/2021
 Project Name: FEDERAL 23-2
 Project Number: (8-24-20)
 Project Location: OXY

Sampling Date: 06/18/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: BOTTOM 14 @ 1' (H211614-19)

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	06/22/2021	ND	2.02	101	2.00	1.12		
Toluene*	<0.050	0.050	06/22/2021	ND	2.11	105	2.00	3.53		
Ethylbenzene*	<0.050	0.050	06/22/2021	ND	2.05	102	2.00	1.59		
Total Xylenes*	<0.150	0.150	06/22/2021	ND	6.20	103	6.00	0.815		
Total BTEx	<0.300	0.300	06/22/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 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	<16.0	16.0	06/23/2021	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	06/22/2021	ND	234	117	200	3.69	
DRO >C10-C28*	<10.0	10.0	06/22/2021	ND	214	107	200	0.930	
EXT DRO >C28-C36	<10.0	10.0	06/22/2021	ND					

Surrogate: 1-Chlorooctane 89.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 92.5 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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Received: 06/22/2021
 Reported: 06/23/2021
 Project Name: FEDERAL 23-2
 Project Number: (8-24-20)
 Project Location: OXY

Sampling Date: 06/18/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: BOTTOM 15 @ 1' (H211614-20)

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	06/22/2021	ND	2.02	101	2.00	1.12	
Toluene*	<0.050	0.050	06/22/2021	ND	2.11	105	2.00	3.53	
Ethylbenzene*	<0.050	0.050	06/22/2021	ND	2.05	102	2.00	1.59	
Total Xylenes*	<0.150	0.150	06/22/2021	ND	6.20	103	6.00	0.815	
Total BTX	<0.300	0.300	06/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 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	<16.0	16.0	06/23/2021	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	06/22/2021	ND	234	117	200	3.69	
DRO >C10-C28*	<10.0	10.0	06/22/2021	ND	214	107	200	0.930	
EXT DRO >C28-C36	<10.0	10.0	06/22/2021	ND					

Surrogate: 1-Chlorooctane 89.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 93.3 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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Received: 06/22/2021
 Reported: 06/23/2021
 Project Name: FEDERAL 23-2
 Project Number: (8-24-20)
 Project Location: OXY

Sampling Date: 06/18/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: BOTTOM 16 @ 1' (H211614-21)

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	06/22/2021	ND	2.02	101	2.00	1.12	
Toluene*	<0.050	0.050	06/22/2021	ND	2.11	105	2.00	3.53	
Ethylbenzene*	<0.050	0.050	06/22/2021	ND	2.05	102	2.00	1.59	
Total Xylenes*	<0.150	0.150	06/22/2021	ND	6.20	103	6.00	0.815	
Total BTX	<0.300	0.300	06/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	<16.0	16.0	06/23/2021	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	06/22/2021	ND	208	104	200		
DRO >C10-C28*	<10.0	10.0	06/22/2021	ND	207	103	200		
EXT DRO >C28-C36	<10.0	10.0	06/22/2021	ND					

Surrogate: 1-Chlorooctane 99.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 96.0 % 38.9-142

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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: 06/22/2021
 Reported: 06/23/2021
 Project Name: FEDERAL 23-2
 Project Number: (8-24-20)
 Project Location: OXY

Sampling Date: 06/18/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: BOTTOM 17 @ 1' (H211614-22)

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	06/22/2021	ND	2.02	101	2.00	1.12	
Toluene*	<0.050	0.050	06/22/2021	ND	2.11	105	2.00	3.53	
Ethylbenzene*	<0.050	0.050	06/22/2021	ND	2.05	102	2.00	1.59	
Total Xylenes*	<0.150	0.150	06/22/2021	ND	6.20	103	6.00	0.815	
Total BTX	<0.300	0.300	06/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 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	<16.0	16.0	06/23/2021	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	06/22/2021	ND	208	104	200		
DRO >C10-C28*	<10.0	10.0	06/22/2021	ND	207	103	200		
EXT DRO >C28-C36	<10.0	10.0	06/22/2021	ND					

Surrogate: 1-Chlorooctane 108 % 44.3-133

Surrogate: 1-Chlorooctadecane 107 % 38.9-142

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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: 06/22/2021
 Reported: 06/23/2021
 Project Name: FEDERAL 23-2
 Project Number: (8-24-20)
 Project Location: OXY

Sampling Date: 06/18/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: BOTTOM 18 @ 1' (H211614-23)

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	06/22/2021	ND	2.02	101	2.00	1.12	
Toluene*	<0.050	0.050	06/22/2021	ND	2.11	105	2.00	3.53	
Ethylbenzene*	<0.050	0.050	06/22/2021	ND	2.05	102	2.00	1.59	
Total Xylenes*	<0.150	0.150	06/22/2021	ND	6.20	103	6.00	0.815	
Total BTX	<0.300	0.300	06/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 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	<16.0	16.0	06/23/2021	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	06/22/2021	ND	208	104	200		
DRO >C10-C28*	<10.0	10.0	06/22/2021	ND	207	103	200		
EXT DRO >C28-C36	<10.0	10.0	06/22/2021	ND					

Surrogate: 1-Chlorooctane 107 % 44.3-133

Surrogate: 1-Chlorooctadecane 105 % 38.9-142

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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: 06/22/2021
 Reported: 06/23/2021
 Project Name: FEDERAL 23-2
 Project Number: (8-24-20)
 Project Location: OXY

Sampling Date: 06/18/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: BOTTOM 19 @ 1' (H211614-24)

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	06/22/2021	ND	2.02	101	2.00	1.12	
Toluene*	<0.050	0.050	06/22/2021	ND	2.11	105	2.00	3.53	
Ethylbenzene*	<0.050	0.050	06/22/2021	ND	2.05	102	2.00	1.59	
Total Xylenes*	<0.150	0.150	06/22/2021	ND	6.20	103	6.00	0.815	
Total BTEX	<0.300	0.300	06/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 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	<16.0	16.0	06/23/2021	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	06/22/2021	ND	208	104	200		
DRO >C10-C28*	<10.0	10.0	06/22/2021	ND	207	103	200		
EXT DRO >C28-C36	<10.0	10.0	06/22/2021	ND					

Surrogate: 1-Chlorooctane 108 % 44.3-133

Surrogate: 1-Chlorooctadecane 110 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received: 06/22/2021
 Reported: 06/23/2021
 Project Name: FEDERAL 23-2
 Project Number: (8-24-20)
 Project Location: OXY

Sampling Date: 06/17/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: BOTTOM 20 @ 1' (H211614-25)

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	06/22/2021	ND	2.03	101	2.00	4.27		
Toluene*	<0.050	0.050	06/22/2021	ND	1.95	97.3	2.00	3.97		
Ethylbenzene*	<0.050	0.050	06/22/2021	ND	1.88	94.0	2.00	4.05		
Total Xylenes*	<0.150	0.150	06/22/2021	ND	5.71	95.2	6.00	3.86		
Total BTEX	<0.300	0.300	06/22/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	<16.0	16.0	06/23/2021	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	06/22/2021	ND	208	104	200		
DRO >C10-C28*	<10.0	10.0	06/22/2021	ND	207	103	200		
EXT DRO >C28-C36	<10.0	10.0	06/22/2021	ND					

Surrogate: 1-Chlorooctane 103 % 44.3-133

Surrogate: 1-Chlorooctadecane 103 % 38.9-142

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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: 06/22/2021
 Reported: 06/23/2021
 Project Name: FEDERAL 23-2
 Project Number: (8-24-20)
 Project Location: OXY

Sampling Date: 06/18/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: BOTTOM 21 @ 1' (H211614-26)

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	06/22/2021	ND	2.03	101	2.00	4.27	
Toluene*	<0.050	0.050	06/22/2021	ND	1.95	97.3	2.00	3.97	
Ethylbenzene*	<0.050	0.050	06/22/2021	ND	1.88	94.0	2.00	4.05	
Total Xylenes*	<0.150	0.150	06/22/2021	ND	5.71	95.2	6.00	3.86	
Total BTX	<0.300	0.300	06/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	<16.0	16.0	06/23/2021	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	06/22/2021	ND	208	104	200		
DRO >C10-C28*	<10.0	10.0	06/22/2021	ND	207	103	200		
EXT DRO >C28-C36	<10.0	10.0	06/22/2021	ND					

Surrogate: 1-Chlorooctane 105 % 44.3-133

Surrogate: 1-Chlorooctadecane 105 % 38.9-142

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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
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 Fax To: (575) 397-0397

Received: 06/22/2021
 Reported: 06/23/2021
 Project Name: FEDERAL 23-2
 Project Number: (8-24-20)
 Project Location: OXY

Sampling Date: 06/18/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: BOTTOM 22 @ 1' (H211614-27)

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	06/22/2021	ND	2.03	101	2.00	4.27		
Toluene*	<0.050	0.050	06/22/2021	ND	1.95	97.3	2.00	3.97		
Ethylbenzene*	<0.050	0.050	06/22/2021	ND	1.88	94.0	2.00	4.05		
Total Xylenes*	<0.150	0.150	06/22/2021	ND	5.71	95.2	6.00	3.86		
Total BTEX	<0.300	0.300	06/22/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	<16.0	16.0	06/23/2021	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	06/22/2021	ND	208	104	200		
DRO >C10-C28*	<10.0	10.0	06/22/2021	ND	207	103	200		
EXT DRO >C28-C36	<10.0	10.0	06/22/2021	ND					

Surrogate: 1-Chlorooctane 111 % 44.3-133

Surrogate: 1-Chlorooctadecane 110 % 38.9-142

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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
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 Fax To: (575) 397-0397

Received: 06/22/2021
 Reported: 06/23/2021
 Project Name: FEDERAL 23-2
 Project Number: (8-24-20)
 Project Location: OXY

Sampling Date: 06/18/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: BOTTOM 23 @ 1' (H211614-28)

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	06/22/2021	ND	2.03	101	2.00	4.27	
Toluene*	<0.050	0.050	06/22/2021	ND	1.95	97.3	2.00	3.97	
Ethylbenzene*	<0.050	0.050	06/22/2021	ND	1.88	94.0	2.00	4.05	
Total Xylenes*	<0.150	0.150	06/22/2021	ND	5.71	95.2	6.00	3.86	
Total BTX	<0.300	0.300	06/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	<16.0	16.0	06/23/2021	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	06/22/2021	ND	208	104	200		
DRO >C10-C28*	<10.0	10.0	06/22/2021	ND	207	103	200		
EXT DRO >C28-C36	<10.0	10.0	06/22/2021	ND					

Surrogate: 1-Chlorooctane 107 % 44.3-133

Surrogate: 1-Chlorooctadecane 107 % 38.9-142

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Analytical Results For:

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

Received: 06/22/2021
 Reported: 06/23/2021
 Project Name: FEDERAL 23-2
 Project Number: (8-24-20)
 Project Location: OXY

Sampling Date: 06/18/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: BOTTOM 24 @ 1' (H211614-29)

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	06/22/2021	ND	2.03	101	2.00	4.27	
Toluene*	<0.050	0.050	06/22/2021	ND	1.95	97.3	2.00	3.97	
Ethylbenzene*	<0.050	0.050	06/22/2021	ND	1.88	94.0	2.00	4.05	
Total Xylenes*	<0.150	0.150	06/22/2021	ND	5.71	95.2	6.00	3.86	
Total BTX	<0.300	0.300	06/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	<16.0	16.0	06/23/2021	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	06/22/2021	ND	208	104	200		
DRO >C10-C28*	<10.0	10.0	06/22/2021	ND	207	103	200		
EXT DRO >C28-C36	<10.0	10.0	06/22/2021	ND					

Surrogate: 1-Chlorooctane 112 % 44.3-133

Surrogate: 1-Chlorooctadecane 110 % 38.9-142

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

Received: 06/22/2021
 Reported: 06/23/2021
 Project Name: FEDERAL 23-2
 Project Number: (8-24-20)
 Project Location: OXY

Sampling Date: 06/18/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: BOTTOM 25 @ 1' (H211614-30)

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	06/22/2021	ND	2.03	101	2.00	4.27		
Toluene*	<0.050	0.050	06/22/2021	ND	1.95	97.3	2.00	3.97		
Ethylbenzene*	<0.050	0.050	06/22/2021	ND	1.88	94.0	2.00	4.05		
Total Xylenes*	<0.150	0.150	06/22/2021	ND	5.71	95.2	6.00	3.86		
Total BTX	<0.300	0.300	06/22/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	<16.0	16.0	06/23/2021	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	06/22/2021	ND	208	104	200		
DRO >C10-C28*	<10.0	10.0	06/22/2021	ND	207	103	200		
EXT DRO >C28-C36	<10.0	10.0	06/22/2021	ND					

Surrogate: 1-Chlorooctane 103 % 44.3-133

Surrogate: 1-Chlorooctadecane 101 % 38.9-142

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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: 06/22/2021
 Reported: 06/23/2021
 Project Name: FEDERAL 23-2
 Project Number: (8-24-20)
 Project Location: OXY

Sampling Date: 06/18/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: BOTTOM 26 @ 1' (H211614-31)

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	06/22/2021	ND	2.03	101	2.00	4.27	
Toluene*	<0.050	0.050	06/22/2021	ND	1.95	97.3	2.00	3.97	
Ethylbenzene*	<0.050	0.050	06/22/2021	ND	1.88	94.0	2.00	4.05	
Total Xylenes*	<0.150	0.150	06/22/2021	ND	5.71	95.2	6.00	3.86	
Total BTX	<0.300	0.300	06/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	16.0	16.0	06/23/2021	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	06/22/2021	ND	208	104	200		
DRO >C10-C28*	<10.0	10.0	06/22/2021	ND	207	103	200		
EXT DRO >C28-C36	<10.0	10.0	06/22/2021	ND					

Surrogate: 1-Chlorooctane 112 % 44.3-133

Surrogate: 1-Chlorooctadecane 103 % 38.9-142

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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: 06/22/2021
 Reported: 06/23/2021
 Project Name: FEDERAL 23-2
 Project Number: (8-24-20)
 Project Location: OXY

Sampling Date: 06/18/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: BOTTOM 27 @ 1' (H211614-32)

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	06/22/2021	ND	2.03	101	2.00	4.27		
Toluene*	<0.050	0.050	06/22/2021	ND	1.95	97.3	2.00	3.97		
Ethylbenzene*	<0.050	0.050	06/22/2021	ND	1.88	94.0	2.00	4.05		
Total Xylenes*	<0.150	0.150	06/22/2021	ND	5.71	95.2	6.00	3.86		
Total BTX	<0.300	0.300	06/22/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	<16.0	16.0	06/23/2021	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	06/22/2021	ND	208	104	200		
DRO >C10-C28*	<10.0	10.0	06/22/2021	ND	207	103	200		
EXT DRO >C28-C36	<10.0	10.0	06/22/2021	ND					

Surrogate: 1-Chlorooctane 116 % 44.3-133

Surrogate: 1-Chlorooctadecane 113 % 38.9-142

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Analytical Results For:

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

Received: 06/22/2021
 Reported: 06/23/2021
 Project Name: FEDERAL 23-2
 Project Number: (8-24-20)
 Project Location: OXY

Sampling Date: 06/18/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: BOTTOM 28 @ 1' (H211614-33)

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	06/22/2021	ND	2.03	101	2.00	4.27		
Toluene*	<0.050	0.050	06/22/2021	ND	1.95	97.3	2.00	3.97		
Ethylbenzene*	<0.050	0.050	06/22/2021	ND	1.88	94.0	2.00	4.05		
Total Xylenes*	<0.150	0.150	06/22/2021	ND	5.71	95.2	6.00	3.86		
Total BTX	<0.300	0.300	06/22/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	<16.0	16.0	06/23/2021	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	06/22/2021	ND	208	104	200		
DRO >C10-C28*	<10.0	10.0	06/22/2021	ND	207	103	200		
EXT DRO >C28-C36	<10.0	10.0	06/22/2021	ND					

Surrogate: 1-Chlorooctane 106 % 44.3-133

Surrogate: 1-Chlorooctadecane 109 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received: 06/22/2021
 Reported: 06/23/2021
 Project Name: FEDERAL 23-2
 Project Number: (8-24-20)
 Project Location: OXY

Sampling Date: 06/18/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: BOTTOM 29 @ 1' (H211614-34)

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	06/22/2021	ND	2.03	101	2.00	4.27		
Toluene*	<0.050	0.050	06/22/2021	ND	1.95	97.3	2.00	3.97		
Ethylbenzene*	<0.050	0.050	06/22/2021	ND	1.88	94.0	2.00	4.05		
Total Xylenes*	<0.150	0.150	06/22/2021	ND	5.71	95.2	6.00	3.86		
Total BTX	<0.300	0.300	06/22/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	<16.0	16.0	06/23/2021	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	06/22/2021	ND	208	104	200		
DRO >C10-C28*	<10.0	10.0	06/22/2021	ND	207	103	200		
EXT DRO >C28-C36	<10.0	10.0	06/22/2021	ND					

Surrogate: 1-Chlorooctane 112 % 44.3-133

Surrogate: 1-Chlorooctadecane 106 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received: 06/22/2021
 Reported: 06/23/2021
 Project Name: FEDERAL 23-2
 Project Number: (8-24-20)
 Project Location: OXY

Sampling Date: 06/18/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: BOTTOM 30 @ 1' (H211614-35)

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	06/22/2021	ND	2.03	101	2.00	4.27		
Toluene*	<0.050	0.050	06/22/2021	ND	1.95	97.3	2.00	3.97		
Ethylbenzene*	<0.050	0.050	06/22/2021	ND	1.88	94.0	2.00	4.05		
Total Xylenes*	<0.150	0.150	06/22/2021	ND	5.71	95.2	6.00	3.86		
Total BTX	<0.300	0.300	06/22/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	<16.0	16.0	06/23/2021	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	06/22/2021	ND	208	104	200		
DRO >C10-C28*	<10.0	10.0	06/22/2021	ND	207	103	200		
EXT DRO >C28-C36	<10.0	10.0	06/22/2021	ND					

Surrogate: 1-Chlorooctane 110 % 44.3-133

Surrogate: 1-Chlorooctadecane 109 % 38.9-142

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Analytical Results For:

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

Received: 06/22/2021
 Reported: 06/23/2021
 Project Name: FEDERAL 23-2
 Project Number: (8-24-20)
 Project Location: OXY

Sampling Date: 06/18/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: BOTTOM 31 @ 1' (H211614-36)

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	06/22/2021	ND	2.03	101	2.00	4.27	
Toluene*	<0.050	0.050	06/22/2021	ND	1.95	97.3	2.00	3.97	
Ethylbenzene*	<0.050	0.050	06/22/2021	ND	1.88	94.0	2.00	4.05	
Total Xylenes*	<0.150	0.150	06/22/2021	ND	5.71	95.2	6.00	3.86	
Total BTX	<0.300	0.300	06/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	<16.0	16.0	06/23/2021	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	06/22/2021	ND	208	104	200		
DRO >C10-C28*	<10.0	10.0	06/22/2021	ND	207	103	200		
EXT DRO >C28-C36	<10.0	10.0	06/22/2021	ND					

Surrogate: 1-Chlorooctane 104 % 44.3-133

Surrogate: 1-Chlorooctadecane 102 % 38.9-142

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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: 06/22/2021
 Reported: 06/23/2021
 Project Name: FEDERAL 23-2
 Project Number: (8-24-20)
 Project Location: OXY

Sampling Date: 06/18/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: BOTTOM 32 @ 1' (H211614-37)

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	06/22/2021	ND	2.03	101	2.00	4.27	
Toluene*	<0.050	0.050	06/22/2021	ND	1.95	97.3	2.00	3.97	
Ethylbenzene*	<0.050	0.050	06/22/2021	ND	1.88	94.0	2.00	4.05	
Total Xylenes*	<0.150	0.150	06/22/2021	ND	5.71	95.2	6.00	3.86	
Total BTX	<0.300	0.300	06/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	<16.0	16.0	06/23/2021	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	06/23/2021	ND	208	104	200		
DRO >C10-C28*	<10.0	10.0	06/23/2021	ND	207	103	200		
EXT DRO >C28-C36	<10.0	10.0	06/23/2021	ND					

Surrogate: 1-Chlorooctane 105 % 44.3-133

Surrogate: 1-Chlorooctadecane 104 % 38.9-142

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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: 06/22/2021
 Reported: 06/23/2021
 Project Name: FEDERAL 23-2
 Project Number: (8-24-20)
 Project Location: OXY

Sampling Date: 06/18/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: BOTTOM 33 @ 1' (H211614-38)

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	06/22/2021	ND	2.03	101	2.00	4.27	
Toluene*	<0.050	0.050	06/22/2021	ND	1.95	97.3	2.00	3.97	
Ethylbenzene*	<0.050	0.050	06/22/2021	ND	1.88	94.0	2.00	4.05	
Total Xylenes*	<0.150	0.150	06/22/2021	ND	5.71	95.2	6.00	3.86	
Total BTX	<0.300	0.300	06/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	<16.0	16.0	06/23/2021	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	06/23/2021	ND	208	104	200		
DRO >C10-C28*	<10.0	10.0	06/23/2021	ND	207	103	200		
EXT DRO >C28-C36	<10.0	10.0	06/23/2021	ND					

Surrogate: 1-Chlorooctane 107 % 44.3-133

Surrogate: 1-Chlorooctadecane 105 % 38.9-142

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 Fax To: (575) 397-0397

Received: 06/22/2021
 Reported: 06/23/2021
 Project Name: FEDERAL 23-2
 Project Number: (8-24-20)
 Project Location: OXY

Sampling Date: 06/18/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: BOTTOM 34 @ 1' (H211614-39)

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	06/23/2021	ND	2.03	101	2.00	4.27		
Toluene*	<0.050	0.050	06/23/2021	ND	1.95	97.3	2.00	3.97		
Ethylbenzene*	<0.050	0.050	06/23/2021	ND	1.88	94.0	2.00	4.05		
Total Xylenes*	<0.150	0.150	06/23/2021	ND	5.71	95.2	6.00	3.86		
Total BTX	<0.300	0.300	06/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	<16.0	16.0	06/23/2021	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	06/23/2021	ND	208	104	200		
DRO >C10-C28*	<10.0	10.0	06/23/2021	ND	207	103	200		
EXT DRO >C28-C36	<10.0	10.0	06/23/2021	ND					

Surrogate: 1-Chlorooctane 110 % 44.3-133

Surrogate: 1-Chlorooctadecane 109 % 38.9-142

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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: 06/22/2021
 Reported: 06/23/2021
 Project Name: FEDERAL 23-2
 Project Number: (8-24-20)
 Project Location: OXY

Sampling Date: 06/18/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: BOTTOM 35 @ 1' (H211614-40)

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	06/23/2021	ND	2.03	101	2.00	4.27	
Toluene*	<0.050	0.050	06/23/2021	ND	1.95	97.3	2.00	3.97	
Ethylbenzene*	<0.050	0.050	06/23/2021	ND	1.88	94.0	2.00	4.05	
Total Xylenes*	<0.150	0.150	06/23/2021	ND	5.71	95.2	6.00	3.86	
Total BTX	<0.300	0.300	06/23/2021	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	<16.0	16.0	06/23/2021	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	06/23/2021	ND	208	104	200		
DRO >C10-C28*	<10.0	10.0	06/23/2021	ND	207	103	200		
EXT DRO >C28-C36	<10.0	10.0	06/23/2021	ND					

Surrogate: 1-Chlorooctane 106 % 44.3-133

Surrogate: 1-Chlorooctadecane 99.2 % 38.9-142

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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: 06/22/2021
 Reported: 06/23/2021
 Project Name: FEDERAL 23-2
 Project Number: (8-24-20)
 Project Location: OXY

Sampling Date: 06/18/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: BOTTOM 36 @ 1' (H211614-41)

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	06/23/2021	ND	2.03	101	2.00	4.27		
Toluene*	<0.050	0.050	06/23/2021	ND	1.95	97.3	2.00	3.97		
Ethylbenzene*	<0.050	0.050	06/23/2021	ND	1.88	94.0	2.00	4.05		
Total Xylenes*	<0.150	0.150	06/23/2021	ND	5.71	95.2	6.00	3.86		
Total BTX	<0.300	0.300	06/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	<16.0	16.0	06/23/2021	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	06/23/2021	ND	194	96.8	200	3.58	
DRO >C10-C28*	<10.0	10.0	06/23/2021	ND	206	103	200	2.65	
EXT DRO >C28-C36	<10.0	10.0	06/23/2021	ND					

Surrogate: 1-Chlorooctane 94.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 106 % 38.9-142

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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: 06/22/2021
 Reported: 06/23/2021
 Project Name: FEDERAL 23-2
 Project Number: (8-24-20)
 Project Location: OXY

Sampling Date: 06/18/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: BOTTOM 37 @ 1' (H211614-42)

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	06/23/2021	ND	2.03	101	2.00	4.27		
Toluene*	<0.050	0.050	06/23/2021	ND	1.95	97.3	2.00	3.97		
Ethylbenzene*	<0.050	0.050	06/23/2021	ND	1.88	94.0	2.00	4.05		
Total Xylenes*	<0.150	0.150	06/23/2021	ND	5.71	95.2	6.00	3.86		
Total BTX	<0.300	0.300	06/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	<16.0	16.0	06/23/2021	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	06/23/2021	ND	194	96.8	200	3.58	
DRO >C10-C28*	<10.0	10.0	06/23/2021	ND	206	103	200	2.65	
EXT DRO >C28-C36	<10.0	10.0	06/23/2021	ND					

Surrogate: 1-Chlorooctane 94.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 107 % 38.9-142

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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: 06/22/2021
 Reported: 06/23/2021
 Project Name: FEDERAL 23-2
 Project Number: (8-24-20)
 Project Location: OXY

Sampling Date: 06/18/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: BOTTOM 38 @ 1' (H211614-43)

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	06/23/2021	ND	2.03	101	2.00	4.27		
Toluene*	<0.050	0.050	06/23/2021	ND	1.95	97.3	2.00	3.97		
Ethylbenzene*	<0.050	0.050	06/23/2021	ND	1.88	94.0	2.00	4.05		
Total Xylenes*	<0.150	0.150	06/23/2021	ND	5.71	95.2	6.00	3.86		
Total BTX	<0.300	0.300	06/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	<16.0	16.0	06/23/2021	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	06/23/2021	ND	194	96.8	200	3.58	
DRO >C10-C28*	<10.0	10.0	06/23/2021	ND	206	103	200	2.65	
EXT DRO >C28-C36	<10.0	10.0	06/23/2021	ND					

Surrogate: 1-Chlorooctane 103 % 44.3-133

Surrogate: 1-Chlorooctadecane 115 % 38.9-142

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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: 06/22/2021
 Reported: 06/23/2021
 Project Name: FEDERAL 23-2
 Project Number: (8-24-20)
 Project Location: OXY

Sampling Date: 06/18/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: BOTTOM 39 @ 1' (H211614-44)

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	06/23/2021	ND	2.03	101	2.00	4.27		
Toluene*	<0.050	0.050	06/23/2021	ND	1.95	97.3	2.00	3.97		
Ethylbenzene*	<0.050	0.050	06/23/2021	ND	1.88	94.0	2.00	4.05		
Total Xylenes*	<0.150	0.150	06/23/2021	ND	5.71	95.2	6.00	3.86		
Total BTX	<0.300	0.300	06/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	<16.0	16.0	06/23/2021	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	06/23/2021	ND	194	96.8	200	3.58	
DRO >C10-C28*	<10.0	10.0	06/23/2021	ND	206	103	200	2.65	
EXT DRO >C28-C36	<10.0	10.0	06/23/2021	ND					

Surrogate: 1-Chlorooctane 101 % 44.3-133

Surrogate: 1-Chlorooctadecane 113 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- 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

**• ARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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**• 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.				BILL TO		ANALYSIS REQUEST											
Project Manager: Cliff Brunson				P.O. #:													
Address: P.O. Box 805				Company: OXY													
City: Hobbs	State: NM Zip: 88241			Attn: WADE													
Phone #: 575-397-6388	Fax #: 575-397-0397			Address:													
Project #:		Project Owner: Oxy		City:													
Project Name: Federal 23.2 (8.24.20)				State:		Zip:											
Project Location:				Phone #:													
Sampler Name: ROGER HERNANDEZ				Fax #:													

FOR LAB USE ONLY		(G)RAB OR (C)OMP. # CONTAINERS	MATRIX						PRESERV.	SAMPLING		CL	BTEX	TPH EXT																				
Lab I.D.	Sample I.D.		GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE: ICE / COOL OTHER :	DATE	TIME																							
H211614		G	I																															
11 BOTTOM 6 @ 1'												✓	✓	✓																				
12 BOTTOM 7 @ 1'												✓	✓	✓																				
13 BOTTOM 8 @ 1'												✓	✓	✓																				
14 BOTTOM 9 @ 1'												✓	✓	✓																				
15 BOTTOM 10 @ 1'												✓	✓	✓																				
16 BOTTOM 11 @ 1'												✓	✓	✓																				
17 BOTTOM 12 @ 1'												✓	✓	✓																				
18 BOTTOM 13 @ 1'												✓	✓	✓																				
19 BOTTOM 14 @ 1'												✓	✓	✓																				
20 BOTTOM 15 @ 1'												✓	✓	✓																				
												✓	✓	✓																				

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Relinquished By: <i>R Hernandez</i>		Date: 6/22/21	Received By: <i>Jodi Benson</i>		Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Add'l Phone #:
Time: 14:00					Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Add'l Fax #:
REMARKS:							
Delivered By: (Circle One)		Sample Condition		CHECKED BY:			
Sampler - UPS - Bus - Other: 4.1%		Cool Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<i>[Signature]</i>			

RUSH

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**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.				BILL TO				ANALYSIS REQUEST															
Project Manager: Cliff Brunson				P.O. #:																			
Address: P.O. Box 805				Company: OXY																			
City: Hobbs State: NM Zip: 88241				Attn: WADE																			
Phone #: 575-397-6388 Fax #: 575-397-0397				Address:																			
Project #: Project Owner: Oxy				City:																			
Project Name: Federal 23-2 (8-24-20)				State: Zip:																			
Project Location:				Phone #:																			
Sampler Name: ROGER HERNANDEZ				Fax #:																			
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING													
Lab I.D.	Sample I.D.	(GRAB OR (COMP. # CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	CL	BTEX	TPH	EXT						
H2111614																							
27	BOTTOM 16 @ 1'	G										6-18-21	1:45	✓	✓	✓							
22	BOTTOM 17 @ 1'											6-18-21	1:50	✓	✓	✓							
23	BOTTOM 18 @ 1'											6-18-21	1:55	✓	✓	✓							
24	BOTTOM 19 @ 1'											6-18-21	2:00	✓	✓	✓							
25	BOTTOM 20 @ 1'											6-18-21	2:05	✓	✓	✓							
26	BOTTOM 21 @ 1'											6-18-21	2:10	✓	✓	✓							
27	BOTTOM 22 @ 1'											6-18-21	2:15	✓	✓	✓							
28	BOTTOM 23 @ 1'											6-18-21	2:20	✓	✓	✓							
29	BOTTOM 24 @ 1'											6-18-21	2:25	✓	✓	✓							
30	BOTTOM 25 @ 1'											6-18-21	2:30	✓	✓	✓							

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Relinquished By:	Date:	Received By:	Phone Result:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
<i>R. H. Hernandez</i>	6/22/21	<i>Jodi Benson</i>	Fax Result:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:		
			<i>Rush</i>		
Delivered By: (Circle One)	Sample Condition	CHECKED BY:			
Sampler - UPS - Bus - Other: 4.10 / #113	Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<i>[Signature]</i>			

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(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 State: NM Zip: 88241 Phone #: 575-397-6388 Fax #: 575-397-0397 Project #: Project Owner: Oxy Project Name: <u>Federal 23.2 (8.24.20)</u> Project Location: Sampler Name: ROGER HERNANDEZ				BILL TO P.O. #: Company: OXY Attn: WADE Address: City: State: Zip: Phone #: Fax #:				ANALYSIS REQUEST												
FOR LAB USE ONLY																				
Lab I.D.	Sample I.D.	(GRAB OR C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	CL	BTEX	TPH	EXT										
				GROUNDWATER																
				WASTEWATER																
				SOIL																
				OIL																
				SLUDGE																
				OTHER :																
				ACID/BASE:																
				ICE / COOL																
				OTHER :																
						DATE	TIME													
H211614																				
31	BOTTOM 26 @ 1'	G	I																	
32	BOTTOM 27 @ 1'																			
33	BOTTOM 28 @ 1'																			
34	BOTTOM 29 @ 1'																			
35	BOTTOM 30 @ 1'																			
36	BOTTOM 31 @ 1'																			
37	BOTTOM 32 @ 1'																			
38	BOTTOM 33 @ 1'																			
39	BOTTOM 34 @ 1'																			
40	BOTTOM 35 @ 1'																			

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, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date:	Received By:	Phone Result:	Fax Result:	Add'l Phone #:
<i>R. Brunson</i>	6/27/21	<i>Godi Henson</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Relinquished By:	Date:	Received By:	REMARKS:		
Delivered By: (Circle One)	Sample Condition	CHECKED BY:			
Sampler - UPS - Bus - Other: <u>412/#113</u>	Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<i>[Signature]</i>			

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


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 State: NM Zip: 88241 Phone #: 575-397-6388 Fax #: 575-397-0397 Project #: Project Owner: Oxy Project Name: Federal 23-2 (8-24-20) Project Location: Sampler Name: ROGER HERNANDEZ				BILL TO		ANALYSIS REQUEST																	
				P.O. #: Company: OXY Attn: WADE Address: City: State: Zip: Phone #: Fax #:																			
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING															
Lab I.D.	Sample I.D.	(GIRAB OR (COMP. # CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	CL	BTX	TPH EXT							
H211614		G										6-18-21	3:25	✓	✓	✓							
41	BOTTOM 36 @ 1'											6-18-21	3:30	✓	✓	✓							
42	BOTTOM 37 @ 1'											6-18-21	3:35	✓	✓	✓							
43	BOTTOM 38 @ 1'											6-18-21	3:40	✓	✓	✓							
44	BOTTOM 39 @ 1'													✓	✓	✓							
														✓	✓	✓							
														✓	✓	✓							
														✓	✓	✓							
														✓	✓	✓							
														✓	✓	✓							
														✓	✓	✓							
														✓	✓	✓							
														✓	✓	✓							

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Relinquished By: Relinquished By:		Date: 6/22/21 Time: 14:00 Received By: Received By:		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: <div style="font-size: 2em; margin-top: 20px;">Rush</div>	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 4.12 / # 113		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: 	

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USGS 322333103461401 22S.31E.15.13214

Eddy County, New Mexico
Latitude 32°23'40", Longitude 103°46'16" NAD27
Land-surface elevation 3,455 feet above NAVD88
This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer.

Output formats

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

Date	Time	? Water-level date- time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water- level accuracy	? Status	? Method of measurement	? Measuring agency
1959-02-19		D	158.15			2	P		U
1972-09-12		D	143.57			2			U
1987-10-20		D	124.94			2			U
1992-12-08		D	124.25			2			S

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot
Status		The reported water-level measurement represents a static level
Status	P	Site was being pumped.
Method of measurement	S	Steel-tape measurement.
Method of measurement	U	Unknown method.
Measuring agency		Not determined

Section	Code	Description
Source of measurement	U	Source is unknown.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Title: Groundwater for New Mexico: Water Levels
URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>



Page Contact Information: [New Mexico Water Data Maintainer](#)
Page Last Modified: 2020-08-31 15:45:47 EDT
0.26 0.24 nadww01

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District II

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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 49471

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 49471
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	None	10/12/2021