

Closure Report

Incident ID:nAPP2114140005

Site Description

Site Name:	RED TANK 31-5H BATTERY
Company:	OXY USA, Inc.
Legal Description:	U/L: A, SECTION 31, T22S, R33E
County:	LEA COUNTY, NM
GPS Coordinates:	N 32.35350, W-103.60351

Release Data

Date of Release:	5/18/2021
Type of Release:	PRODUCED WATER
Source of Release:	CORROSION AT CONNECTION AT BELLY OF SPEARATOR FAILED CAUSING A LEAK
Volume of Release:	40 BBLS
Volume Recovered:	30 BBLS

Remediation Specifications

Remediation Parameters:	OXY excavated the spill area as depicted on the following site diagram. The leak area near SP1 – SP5 (RED shade on diagram) was excavated to a depth of 2 feet. The leak area near SP6 and SP7 (PURPLE shade on diagram) was excavated to a depth of 1 foot. OXY collected bottom and sidewall confirmation samples every 200 square feet
Remediation Activities:	10/11/22 - 11/4/22

Plan Sent to OCD:	7/26/2021	
OCD Approval of Plan:	6/8/2022	
Plan Sent to BLM:		
BLM Approval of Plan:		

Supporting Documentation

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 10/25/2022, 11/3/2022	
Notifications	10/14/2022, 10/19/2022	

Request for Closure

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

Cliff Brunson, President of BBC International Inc.

12/1/2022

Form C-141

Page 6

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2114140005
District RP	
Facility ID	
Application ID	

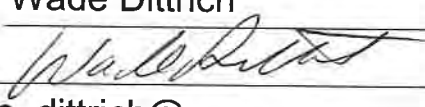
Closure

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

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

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate OCD 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: 11-30-22
email: wade_dittrich@oxy.com Telephone: (575) 390-2828

OCD Only

Received by: _____ Date: _____

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

Closure Approved by:  Date: 01/05/2023
Printed Name: Jennifer Nobui Title: Environmental Specialist A

From: [Cliff Brunson](#)
To: [Kathy Sweeney](#)
Cc: "Ken Swinney"; ["Jennifer Gilkey"](#)
Subject: FW: [EXTERNAL] OXY - Red Tank 31-5H Battery - Sampling Notification
Date: Monday, October 17, 2022 9:30:51 AM
Attachments: [image001.jpg](#)

Kathy, please put this in the project file to be included in the closure when we are ready.

Cliff P. Brunson, CEI, CRS
President
BBC International, Inc.
World-Wide Environmental Specialists
Mailing Address:
P. O. Box 805
Hobbs, NM 88241-0805 USA
Shipping Address:
1324 W. Marland St.
Hobbs, NM 88240 USA
Phone: (575) 397-6388
Fax: (575) 397-0397
E-Mail: cbrunson@bbcinternational.com



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From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Sent: Monday, October 17, 2022 8:38 AM
To: Cliff Brunson <cbrunson@bbcinternational.com>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] OXY - Red Tank 31-5H Battery - Sampling Notification

Cliff

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thanks,
Jennifer Nobui

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Friday, October 14, 2022 2:26 PM
To: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>;

Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Velez, Nelson, EMNRD
<Nelson.Velez@emnrd.nm.gov>

Subject: Fw: [EXTERNAL] OXY - Red Tank 31-5H Battery - Sampling Notification

From: Cliff Brunson <cbrunson@bbcinternational.com>

Sent: Friday, October 14, 2022 2:20 PM

To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>

Cc: 'Wade Dittrich' <Wade_Dittrich@oxy.com>; tyson_pierce@oxy.com <tyson_pierce@oxy.com>;

'Ken Swinney' <kswinney@bbcinternational.com>; 'Jennifer Gilkey' <jgilkey@bbcinternational.com>;

Kathy Sweeney <kathys@bbcinternational.com>

Subject: [EXTERNAL] OXY - Red Tank 31-5H Battery - Sampling Notification

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

This is a notification that BBC will conduct confirmation sampling on behalf of OXY at the Red Tank 31-5H Battery (nAPP211414005) (5/18/21) on Thursday, October 20, 2022 at 9:00 a.m.

Cliff P. Brunson, CEI, CRS

President

BBC International, Inc.

World-Wide Environmental Specialists

Mailing Address:

P. O. Box 805

Hobbs, NM 88241-0805 USA

Shipping Address:

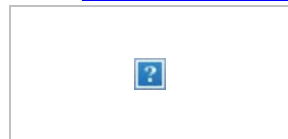
1324 W. Marland St.

Hobbs, NM 88240 USA

Phone: (575) 397-6388

Fax: (575) 397-0397

E-Mail: cbrunson@bbcinternational.com



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From: [Cliff P. Brunson](#)
To: [Kathy Sweeney](#)
Cc: [Ken Swinney](#); [Jennifer Gilkey](#)
Subject: Fwd: [EXTERNAL] OXY - Red Tank 31-5H Battery - Sampling Notification
Date: Monday, October 24, 2022 9:57:43 AM
Attachments: [image001.jpg](#)
[image001.jpg](#)

Sent from my iPhone

Begin forwarded message:

From: "Nobui, Jennifer, EMNRD" <Jennifer.Nobui@emnrd.nm.gov>
Date: October 24, 2022 at 10:38:48 AM CDT
To: Cliff Brunson <cbrunson@bbcinternational.com>
Cc: "Bratcher, Michael, EMNRD" <mike.bratcher@emnrd.nm.gov>
Subject: RE: [EXTERNAL] OXY - Red Tank 31-5H Battery - Sampling Notification

Cliff

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thanks,
Jennifer Nobui

From: Cliff Brunson <cbrunson@bbcinternational.com>
Sent: Wednesday, October 19, 2022 10:41 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Cc: 'Wade Dittrich' <Wade_Dittrich@oxy.com>; tyson_pierce@oxy.com; 'Ken Swinney' <kswinney@bbcinternational.com>; 'Jennifer Gilkey' <jgilkey@bbcinternational.com>; Kathy Sweeney <kathys@bbcinternational.com>
Subject: RE: [EXTERNAL] OXY - Red Tank 31-5H Battery - Sampling Notification

This is a notification that due to the recent rains the last few days, it has put us behind in the remediation of the Red Tank 31-5H Battery (nAPP211414005) (5/18/21) and we need to re-schedule the confirmation sampling from Thursday, October 20, 2022 at 9:00 a.m. to Tuesday, October 25, 2022 at 9:00 a.m.

Cliff P. Brunson, CEI, CRS
President
BBC International, Inc.
World-Wide Environmental Specialists
Mailing Address:
P. O. Box 805
Hobbs, NM 88241-0805 USA
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image001.jpg



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Cliff

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thanks,
Jennifer Nobui

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Sent: Friday, October 14, 2022 2:26 PM
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Subject: Fw: [EXTERNAL] OXY - Red Tank 31-5H Battery - Sampling Notification

From: Cliff Brunson <cbrunson@bbcinternational.com>
Sent: Friday, October 14, 2022 2:20 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
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<tyson_pierce@oxy.com>; 'Ken Swinney' <kswinney@bbcinternational.com>; 'Jennifer
Gilkey' <jgilkey@bbcinternational.com>; Kathy Sweeney
<kathys@bbcinternational.com>
Subject: [EXTERNAL] OXY - Red Tank 31-5H Battery - Sampling Notification

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This is a notification that BBC will conduct confirmation sampling on behalf of OXY at the Red Tank 31-5H Battery (nAPP211414005) (5/18/21) on Thursday, October 20, 2022 at 9:00 a.m.

Cliff P. Brunson, CEI, CRS
President
BBC International, Inc.
World-Wide Environmental Specialists
Mailing Address:
P. O. Box 805
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image001.jpg



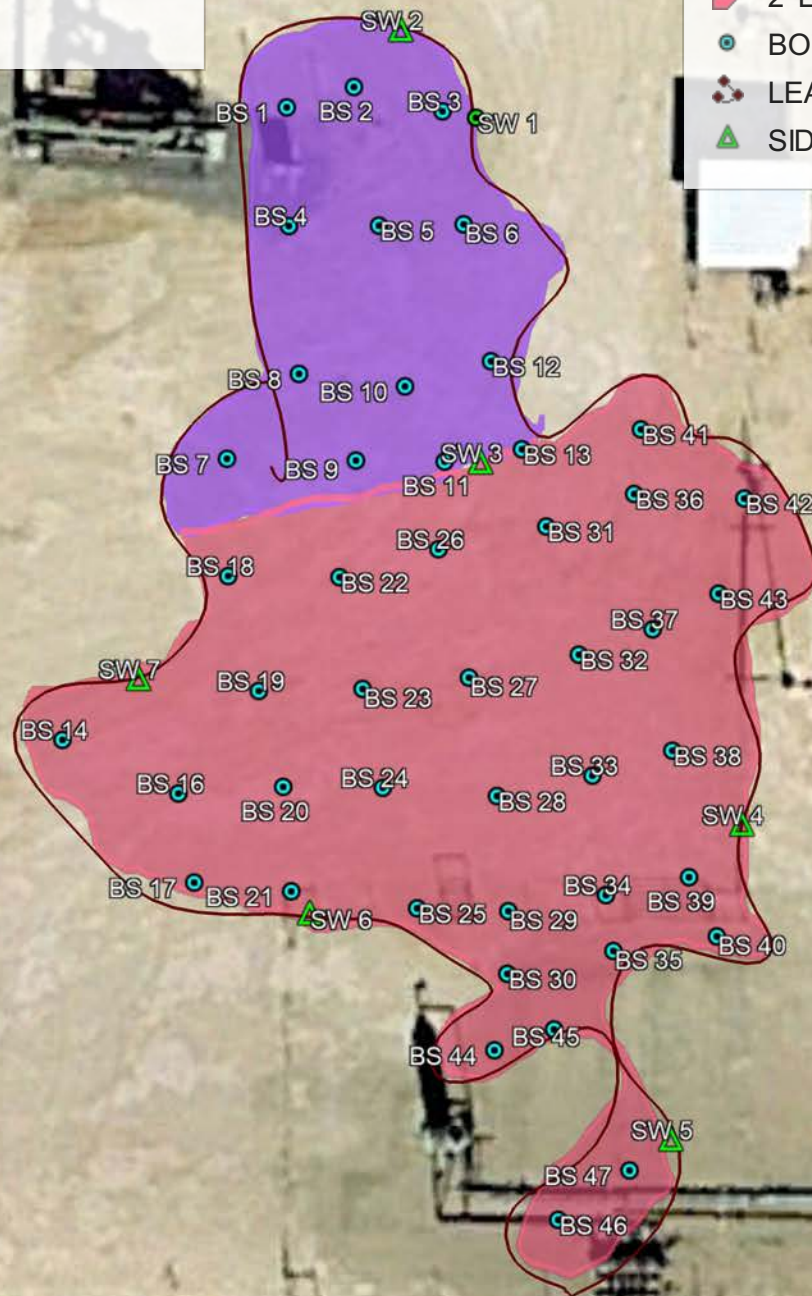
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OXY-RED TANK 31-5H BATTERY

LEAK DATE 05/18/2021
INCIDENT ID # nAPP2114140005
LEACO, NM

Legend

- 1' Excavation
- 2' Excavation
- BOTTOM CONFIRMATION SAMPLE POINTS
- LEAK AREA
- SIDEWALL CONFIRMATION SAMPLE POINTS



Google Earth

100 ft



OXY-RED TANK 31-5H (5/18/22)
SAMPLE DATE 10/25/22

BOTTOM SAMPLES

BS 1@1'	N 32.211353	W-103.361217
BS 2@1'	N 32.211356	W-103.361206
BS 3@1'	N 32.211353	W-103.361191
BS 4@1'	N 32.211337	W-103.361217
BS 5@1'	N 32.211337	W-103.361202
BS 6@1'	N 32.211337	W-103.361188
BS 7@1'	N 32.211304	W-103.361227
BS 8@1'	N 32.211311	W-103.361213
BS9@1'	N 32.211306	W-103.361199
BS10@1'	N 32.211321	W-103.361194
BS11@1'	N 32.211305	W-103.361190
BS12@1'	N 32.211314	W-103.361180
BS 13@1'	N 32.211306	W-103.361178
BS 14@2'	N 32.211265	W-103.361254
BS 15@2'	N 32.211269	W-103.361238
BS 16@2'	N 32.211257	W-103.361236
BS 17@2'	N 32.211245	W-103.361232
BS 18@2'	N 32.211288	W-103.361227
BS 20@2'	N 32.211256	W-103.361218
BS 21@2'	N 32.211244	W-103.361216
BS 22@2'	N 32.211288	W-103.361208
BS 23@2'	N 32.211272	W-103.361205
BS 24@2'	N 32.211258	W-103.361201
BS 25@2'	N 32.211241	W-103.361196
BS 26@2'	N 32.211296	W-103.361192
BS 27@2'	N 32.211274	W-103.361187
BS 28@2'	N 32.211257	W-103.361182
BS 29@2'	N 32.211241	W-103.361180
BS 30@2'	N 32.211232	W-103.361181
BS 31@2'	N 32.211295	W-103.361174
BS 32@2'	N 32.211169	W-103.361169
BS 33@2'	N 32.211264	W-103.361167
BS 34@2'	N 32.211243	W-103.361164
BS 35@2'	N 32.211235	W-103.361163
BS 36@2'	N 32.211299	W-103.361160
BS 37@2'	N 32.211156	W-103.361156
BS 38@2'	N 32.211263	W-103.361153
BS 39@2'	N 32.211246	W-103.361150
BS 40@2'	N 32.211237	W-103.361146
BS 41@2'	N 32.211308	W-103.361172
BS 42@2'	N 32.211299	W-103.361141

BS 43@2'	N 32.211285	W-103.361146
BS 44@2'	N 32.211221	W-103.361183
BS 45@2'	N 32.211224	W-103.361173
BS 46@2'	N 32.211198	W-103.361172
BS 47@2'	N 32.211205	W-103.361160

SIDEWALL SAMPLES

SW 1	N 32.211299	W-103.361201
SW 2	N 32.211364	W-103.361198
SW 3	N 32.211304	W-103.361185
SW 4	N 32.211253	W-103.361142
SW 5	N 32.211209	W-103.361154
SW 6	N 32.211240	W-103.361213
SW 7	N 32.211273	W-103.361242

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



OXY- RED TANK 31-5H BATTERY (5/18/2021)





OXY- RED TANK 31-5H BATTERY (5/18/2021)





OXY- RED TANK 31-5H BATTERY (5/18/2021)





OXY- RED TANK 31-5H BATTERY (5/18/2021)





OXY- RED TANK 31-5H BATTERY (5/18/2021)





OXY- RED TANK 31-5H BATTERY (5/18/2021)





OXY- RED TANK 31-5H BATTERY (5/18/2021)





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

November 03, 2022

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: RED TANK 31 - 5H

Enclosed are the results of analyses for samples received by the laboratory on 10/27/22 12:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	10/27/2022	Sampling Date:	10/25/2022
Reported:	11/03/2022	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(5-18-21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: BOTTOM SAMPLE 1 @ 1' (H225077-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2022	ND	1.90	95.2	2.00	5.32	
Toluene*	<0.050	0.050	11/02/2022	ND	2.18	109	2.00	4.18	
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	2.09	105	2.00	3.71	
Total Xylenes*	<0.150	0.150	11/02/2022	ND	6.33	106	6.00	3.69	
Total BTEX	<0.300	0.300	11/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 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	10/31/2022	ND	432	108	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	10/31/2022	ND	173	86.7	200	0.155	
DRO >C10-C28*	<10.0	10.0	10/31/2022	ND	179	89.7	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	10/31/2022	ND					

Surrogate: 1-Chlorooctane 85.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 99.9 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/27/2022
 Reported: 11/03/2022
 Project Name: RED TANK 31 - 5H
 Project Number: (5-18-21)
 Project Location: OXY - LEA COUNTY NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM SAMPLE 2 @ 1' (H225077-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2022	ND	1.90	95.2	2.00	5.32		
Toluene*	<0.050	0.050	11/02/2022	ND	2.18	109	2.00	4.18		
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	2.09	105	2.00	3.71		
Total Xylenes*	<0.150	0.150	11/02/2022	ND	6.33	106	6.00	3.69		
Total BTEx	<0.300	0.300	11/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 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	10/31/2022	ND	432	108	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	10/31/2022	ND	173	86.7	200	0.155	
DRO >C10-C28*	<10.0	10.0	10/31/2022	ND	179	89.7	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	10/31/2022	ND					

Surrogate: 1-Chlorooctane 95.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 112 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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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: 10/27/2022
 Reported: 11/03/2022
 Project Name: RED TANK 31 - 5H
 Project Number: (5-18-21)
 Project Location: OXY - LEA COUNTY NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM SAMPLE 3 @ 1' (H225077-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2022	ND	1.90	95.2	2.00	5.32		
Toluene*	<0.050	0.050	11/02/2022	ND	2.18	109	2.00	4.18		
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	2.09	105	2.00	3.71		
Total Xylenes*	<0.150	0.150	11/02/2022	ND	6.33	106	6.00	3.69		
Total BTEx	<0.300	0.300	11/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 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	10/31/2022	ND	432	108	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	10/31/2022	ND	173	86.7	200	0.155	
DRO >C10-C28*	<10.0	10.0	10/31/2022	ND	179	89.7	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	10/31/2022	ND					

Surrogate: 1-Chlorooctane 94.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 112 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/27/2022
 Reported: 11/03/2022
 Project Name: RED TANK 31 - 5H
 Project Number: (5-18-21)
 Project Location: OXY - LEA COUNTY NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM SAMPLE 4 @ 1' (H225077-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2022	ND	1.90	95.2	2.00	5.32		
Toluene*	<0.050	0.050	11/02/2022	ND	2.18	109	2.00	4.18		
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	2.09	105	2.00	3.71		
Total Xylenes*	<0.150	0.150	11/02/2022	ND	6.33	106	6.00	3.69		
Total BTEx	<0.300	0.300	11/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 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	10/31/2022	ND	432	108	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	10/31/2022	ND	173	86.7	200	0.155	
DRO >C10-C28*	<10.0	10.0	10/31/2022	ND	179	89.7	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	10/31/2022	ND					

Surrogate: 1-Chlorooctane 91.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 108 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/27/2022
 Reported: 11/03/2022
 Project Name: RED TANK 31 - 5H
 Project Number: (5-18-21)
 Project Location: OXY - LEA COUNTY NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM SAMPLE 5 @ 1' (H225077-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2022	ND	1.90	95.2	2.00	5.32		
Toluene*	<0.050	0.050	11/02/2022	ND	2.18	109	2.00	4.18		
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	2.09	105	2.00	3.71		
Total Xylenes*	<0.150	0.150	11/02/2022	ND	6.33	106	6.00	3.69		
Total BTEx	<0.300	0.300	11/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 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	10/31/2022	ND	432	108	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	10/31/2022	ND	173	86.7	200	0.155	
DRO >C10-C28*	<10.0	10.0	10/31/2022	ND	179	89.7	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	10/31/2022	ND					

Surrogate: 1-Chlorooctane 91.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 107 % 46.3-178

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Analytical Results For:

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Received: 10/27/2022
 Reported: 11/03/2022
 Project Name: RED TANK 31 - 5H
 Project Number: (5-18-21)
 Project Location: OXY - LEA COUNTY NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM SAMPLE 6 @ 1' (H225077-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2022	ND	1.90	95.2	2.00	5.32		
Toluene*	<0.050	0.050	11/02/2022	ND	2.18	109	2.00	4.18		
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	2.09	105	2.00	3.71		
Total Xylenes*	<0.150	0.150	11/02/2022	ND	6.33	106	6.00	3.69		
Total BTEx	<0.300	0.300	11/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 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	10/31/2022	ND	432	108	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	10/31/2022	ND	173	86.7	200	0.155	
DRO >C10-C28*	<10.0	10.0	10/31/2022	ND	179	89.7	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	10/31/2022	ND					

Surrogate: 1-Chlorooctane 94.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 111 % 46.3-178

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Analytical Results For:

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 Fax To: (575) 397-0397

Received: 10/27/2022
 Reported: 11/03/2022
 Project Name: RED TANK 31 - 5H
 Project Number: (5-18-21)
 Project Location: OXY - LEA COUNTY NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM SAMPLE 7 @ 1' (H225077-07)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2022	ND	1.90	95.2	2.00	5.32	
Toluene*	<0.050	0.050	11/02/2022	ND	2.18	109	2.00	4.18	
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	2.09	105	2.00	3.71	
Total Xylenes*	<0.150	0.150	11/02/2022	ND	6.33	106	6.00	3.69	
Total BTEx	<0.300	0.300	11/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 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	10/31/2022	ND	432	108	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	10/31/2022	ND	173	86.7	200	0.155	
DRO >C10-C28*	<10.0	10.0	10/31/2022	ND	179	89.7	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	10/31/2022	ND					

Surrogate: 1-Chlorooctane 88.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 103 % 46.3-178

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Analytical Results For:

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Received: 10/27/2022
 Reported: 11/03/2022
 Project Name: RED TANK 31 - 5H
 Project Number: (5-18-21)
 Project Location: OXY - LEA COUNTY NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM SAMPLE 8 @ 1' (H225077-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2022	ND	1.90	95.2	2.00	5.32		
Toluene*	<0.050	0.050	11/02/2022	ND	2.18	109	2.00	4.18		
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	2.09	105	2.00	3.71		
Total Xylenes*	<0.150	0.150	11/02/2022	ND	6.33	106	6.00	3.69		
Total BTEx	<0.300	0.300	11/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 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	10/31/2022	ND	432	108	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	10/31/2022	ND	173	86.7	200	0.155	
DRO >C10-C28*	<10.0	10.0	10/31/2022	ND	179	89.7	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	10/31/2022	ND					

Surrogate: 1-Chlorooctane 90.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 107 % 46.3-178

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Analytical Results For:

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

Received: 10/27/2022
 Reported: 11/03/2022
 Project Name: RED TANK 31 - 5H
 Project Number: (5-18-21)
 Project Location: OXY - LEA COUNTY NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM SAMPLE 9 @ 1' (H225077-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2022	ND	1.90	95.2	2.00	5.32		
Toluene*	<0.050	0.050	11/02/2022	ND	2.18	109	2.00	4.18		
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	2.09	105	2.00	3.71		
Total Xylenes*	<0.150	0.150	11/02/2022	ND	6.33	106	6.00	3.69		
Total BTEx	<0.300	0.300	11/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 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	10/31/2022	ND	432	108	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	10/31/2022	ND	200	100	200	1.93	
DRO >C10-C28*	<10.0	10.0	10/31/2022	ND	200	100	200	0.344	
EXT DRO >C28-C36	<10.0	10.0	10/31/2022	ND					

Surrogate: 1-Chlorooctane 94.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 103 % 46.3-178

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Analytical Results For:

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 Fax To: (575) 397-0397

Received: 10/27/2022
 Reported: 11/03/2022
 Project Name: RED TANK 31 - 5H
 Project Number: (5-18-21)
 Project Location: OXY - LEA COUNTY NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM SAMPLE 10 @ 1' (H225077-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2022	ND	1.90	95.2	2.00	5.32		
Toluene*	<0.050	0.050	11/02/2022	ND	2.18	109	2.00	4.18		
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	2.09	105	2.00	3.71		
Total Xylenes*	<0.150	0.150	11/02/2022	ND	6.33	106	6.00	3.69		
Total BTEx	<0.300	0.300	11/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 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	10/31/2022	ND	432	108	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	10/31/2022	ND	200	100	200	1.93	
DRO >C10-C28*	<10.0	10.0	10/31/2022	ND	200	100	200	0.344	
EXT DRO >C28-C36	<10.0	10.0	10/31/2022	ND					

Surrogate: 1-Chlorooctane 96.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 103 % 46.3-178

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Analytical Results For:

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

Received: 10/27/2022
 Reported: 11/03/2022
 Project Name: RED TANK 31 - 5H
 Project Number: (5-18-21)
 Project Location: OXY - LEA COUNTY NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM SAMPLE 11 @ 1' (H225077-11)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2022	ND	1.90	95.2	2.00	5.32	
Toluene*	<0.050	0.050	11/02/2022	ND	2.18	109	2.00	4.18	
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	2.09	105	2.00	3.71	
Total Xylenes*	<0.150	0.150	11/02/2022	ND	6.33	106	6.00	3.69	
Total BTEx	<0.300	0.300	11/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 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	10/31/2022	ND	432	108	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	10/31/2022	ND	200	100	200	1.93	
DRO >C10-C28*	<10.0	10.0	10/31/2022	ND	200	100	200	0.344	
EXT DRO >C28-C36	<10.0	10.0	10/31/2022	ND					

Surrogate: 1-Chlorooctane 95.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 103 % 46.3-178

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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: 10/27/2022
 Reported: 11/03/2022
 Project Name: RED TANK 31 - 5H
 Project Number: (5-18-21)
 Project Location: OXY - LEA COUNTY NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM SAMPLE 12 @ 1' (H225077-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2022	ND	1.90	95.2	2.00	5.32		
Toluene*	<0.050	0.050	11/02/2022	ND	2.18	109	2.00	4.18		
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	2.09	105	2.00	3.71		
Total Xylenes*	<0.150	0.150	11/02/2022	ND	6.33	106	6.00	3.69		
Total BTEx	<0.300	0.300	11/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 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	10/31/2022	ND	432	108	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	10/31/2022	ND	200	100	200	1.93	
DRO >C10-C28*	<10.0	10.0	10/31/2022	ND	200	100	200	0.344	
EXT DRO >C28-C36	<10.0	10.0	10/31/2022	ND					

Surrogate: 1-Chlorooctane 89.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 100 % 46.3-178

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Analytical Results For:

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

Received: 10/27/2022
 Reported: 11/03/2022
 Project Name: RED TANK 31 - 5H
 Project Number: (5-18-21)
 Project Location: OXY - LEA COUNTY NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM SAMPLE 13 @ 1' (H225077-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2022	ND	1.90	95.2	2.00	5.32		
Toluene*	<0.050	0.050	11/02/2022	ND	2.18	109	2.00	4.18		
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	2.09	105	2.00	3.71		
Total Xylenes*	<0.150	0.150	11/02/2022	ND	6.33	106	6.00	3.69		
Total BTEx	<0.300	0.300	11/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 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	10/31/2022	ND	432	108	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	10/31/2022	ND	200	100	200	1.93	
DRO >C10-C28*	<10.0	10.0	10/31/2022	ND	200	100	200	0.344	
EXT DRO >C28-C36	<10.0	10.0	10/31/2022	ND					

Surrogate: 1-Chlorooctane 95.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 104 % 46.3-178

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Analytical Results For:

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

Received: 10/27/2022
 Reported: 11/03/2022
 Project Name: RED TANK 31 - 5H
 Project Number: (5-18-21)
 Project Location: OXY - LEA COUNTY NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM SAMPLE 14 @ 2' (H225077-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2022	ND	1.90	95.2	2.00	5.32		
Toluene*	<0.050	0.050	11/02/2022	ND	2.18	109	2.00	4.18		
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	2.09	105	2.00	3.71		
Total Xylenes*	<0.150	0.150	11/02/2022	ND	6.33	106	6.00	3.69		
Total BTEx	<0.300	0.300	11/02/2022	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	10/31/2022	ND	432	108	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	10/31/2022	ND	200	100	200	1.93	
DRO >C10-C28*	<10.0	10.0	10/31/2022	ND	200	100	200	0.344	
EXT DRO >C28-C36	<10.0	10.0	10/31/2022	ND					

Surrogate: 1-Chlorooctane 94.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 105 % 46.3-178

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Analytical Results For:

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

Received: 10/27/2022
 Reported: 11/03/2022
 Project Name: RED TANK 31 - 5H
 Project Number: (5-18-21)
 Project Location: OXY - LEA COUNTY NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM SAMPLE 15 @ 2' (H225077-15)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2022	ND	1.90	95.2	2.00	5.32		
Toluene*	<0.050	0.050	11/02/2022	ND	2.18	109	2.00	4.18		
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	2.09	105	2.00	3.71		
Total Xylenes*	<0.150	0.150	11/02/2022	ND	6.33	106	6.00	3.69		
Total BTEx	<0.300	0.300	11/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 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	10/31/2022	ND	432	108	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	10/31/2022	ND	200	100	200	1.93	
DRO >C10-C28*	<10.0	10.0	10/31/2022	ND	200	100	200	0.344	
EXT DRO >C28-C36	<10.0	10.0	10/31/2022	ND					

Surrogate: 1-Chlorooctane 100 % 45.3-161

Surrogate: 1-Chlorooctadecane 105 % 46.3-178

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Analytical Results For:

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

Received: 10/27/2022
 Reported: 11/03/2022
 Project Name: RED TANK 31 - 5H
 Project Number: (5-18-21)
 Project Location: OXY - LEA COUNTY NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM SAMPLE 16 @ 2' (H225077-16)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2022	ND	1.90	95.2	2.00	5.32		
Toluene*	<0.050	0.050	11/02/2022	ND	2.18	109	2.00	4.18		
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	2.09	105	2.00	3.71		
Total Xylenes*	<0.150	0.150	11/02/2022	ND	6.33	106	6.00	3.69		
Total BTEx	<0.300	0.300	11/02/2022	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	10/31/2022	ND	432	108	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	10/31/2022	ND	200	100	200	1.93	
DRO >C10-C28*	<10.0	10.0	10/31/2022	ND	200	100	200	0.344	
EXT DRO >C28-C36	<10.0	10.0	10/31/2022	ND					

Surrogate: 1-Chlorooctane 98.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 103 % 46.3-178

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Analytical Results For:

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

Received: 10/27/2022
 Reported: 11/03/2022
 Project Name: RED TANK 31 - 5H
 Project Number: (5-18-21)
 Project Location: OXY - LEA COUNTY NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM SAMPLE 17 @ 2' (H225077-17)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2022	ND	1.90	95.2	2.00	5.32		
Toluene*	<0.050	0.050	11/02/2022	ND	2.18	109	2.00	4.18		
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	2.09	105	2.00	3.71		
Total Xylenes*	<0.150	0.150	11/02/2022	ND	6.33	106	6.00	3.69		
Total BTEx	<0.300	0.300	11/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 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	10/31/2022	ND	432	108	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	10/31/2022	ND	200	100	200	1.93	
DRO >C10-C28*	<10.0	10.0	10/31/2022	ND	200	100	200	0.344	
EXT DRO >C28-C36	<10.0	10.0	10/31/2022	ND					

Surrogate: 1-Chlorooctane 95.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 101 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/27/2022
 Reported: 11/03/2022
 Project Name: RED TANK 31 - 5H
 Project Number: (5-18-21)
 Project Location: OXY - LEA COUNTY NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM SAMPLE 18 @ 2' (H225077-18)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2022	ND	1.90	95.2	2.00	5.32		
Toluene*	<0.050	0.050	11/02/2022	ND	2.18	109	2.00	4.18		
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	2.09	105	2.00	3.71		
Total Xylenes*	<0.150	0.150	11/02/2022	ND	6.33	106	6.00	3.69		
Total BTEx	<0.300	0.300	11/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 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	10/31/2022	ND	432	108	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	10/31/2022	ND	200	100	200	1.93	
DRO >C10-C28*	<10.0	10.0	10/31/2022	ND	200	100	200	0.344	
EXT DRO >C28-C36	<10.0	10.0	10/31/2022	ND					

Surrogate: 1-Chlorooctane 95.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 101 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/27/2022
 Reported: 11/03/2022
 Project Name: RED TANK 31 - 5H
 Project Number: (5-18-21)
 Project Location: OXY - LEA COUNTY NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM SAMPLE 19 @ 2' (H225077-19)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2022	ND	1.90	95.2	2.00	5.32		
Toluene*	<0.050	0.050	11/02/2022	ND	2.18	109	2.00	4.18		
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	2.09	105	2.00	3.71		
Total Xylenes*	<0.150	0.150	11/02/2022	ND	6.33	106	6.00	3.69		
Total BTEx	<0.300	0.300	11/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 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	10/31/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2022	ND	200	100	200	1.93	
DRO >C10-C28*	<10.0	10.0	10/31/2022	ND	200	100	200	0.344	
EXT DRO >C28-C36	<10.0	10.0	10/31/2022	ND					

Surrogate: 1-Chlorooctane 86.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 90.3 % 46.3-178

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

Received: 10/27/2022
 Reported: 11/03/2022
 Project Name: RED TANK 31 - 5H
 Project Number: (5-18-21)
 Project Location: OXY - LEA COUNTY NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM SAMPLE 20 @ 2' (H225077-20)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2022	ND	1.90	95.2	2.00	5.32		
Toluene*	<0.050	0.050	11/02/2022	ND	2.18	109	2.00	4.18		
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	2.09	105	2.00	3.71		
Total Xylenes*	<0.150	0.150	11/02/2022	ND	6.33	106	6.00	3.69		
Total BTEx	<0.300	0.300	11/02/2022	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	10/31/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2022	ND	200	100	200	1.93	
DRO >C10-C28*	<10.0	10.0	10/31/2022	ND	200	100	200	0.344	
EXT DRO >C28-C36	<10.0	10.0	10/31/2022	ND					

Surrogate: 1-Chlorooctane 94.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 99.8 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/27/2022
 Reported: 11/03/2022
 Project Name: RED TANK 31 - 5H
 Project Number: (5-18-21)
 Project Location: OXY - LEA COUNTY NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM SAMPLE 21 @ 2' (H225077-21)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2022	ND	1.93	96.5	2.00	0.247		
Toluene*	<0.050	0.050	11/02/2022	ND	2.08	104	2.00	0.174		
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	2.10	105	2.00	0.234		
Total Xylenes*	<0.150	0.150	11/02/2022	ND	6.40	107	6.00	0.249		
Total BTEx	<0.300	0.300	11/02/2022	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	10/31/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2022	ND	200	100	200	1.93	
DRO >C10-C28*	<10.0	10.0	10/31/2022	ND	200	100	200	0.344	
EXT DRO >C28-C36	<10.0	10.0	10/31/2022	ND					

Surrogate: 1-Chlorooctane 86.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 90.2 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/27/2022
 Reported: 11/03/2022
 Project Name: RED TANK 31 - 5H
 Project Number: (5-18-21)
 Project Location: OXY - LEA COUNTY NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM SAMPLE 22 @ 2' (H225077-22)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2022	ND	1.93	96.5	2.00	0.247		
Toluene*	<0.050	0.050	11/02/2022	ND	2.08	104	2.00	0.174		
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	2.10	105	2.00	0.234		
Total Xylenes*	<0.150	0.150	11/02/2022	ND	6.40	107	6.00	0.249		
Total BTEx	<0.300	0.300	11/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 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	10/31/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2022	ND	200	100	200	1.93	
DRO >C10-C28*	<10.0	10.0	10/31/2022	ND	200	100	200	0.344	
EXT DRO >C28-C36	<10.0	10.0	10/31/2022	ND					

Surrogate: 1-Chlorooctane 89.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 94.2 % 46.3-178

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Analytical Results For:

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Received: 10/27/2022
 Reported: 11/03/2022
 Project Name: RED TANK 31 - 5H
 Project Number: (5-18-21)
 Project Location: OXY - LEA COUNTY NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM SAMPLE 23 @ 2' (H225077-23)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2022	ND	1.93	96.5	2.00	0.247		
Toluene*	<0.050	0.050	11/02/2022	ND	2.08	104	2.00	0.174		
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	2.10	105	2.00	0.234		
Total Xylenes*	<0.150	0.150	11/02/2022	ND	6.40	107	6.00	0.249		
Total BTX	<0.300	0.300	11/02/2022	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	10/31/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2022	ND	200	100	200	1.93	
DRO >C10-C28*	<10.0	10.0	10/31/2022	ND	200	100	200	0.344	
EXT DRO >C28-C36	<10.0	10.0	10/31/2022	ND					

Surrogate: 1-Chlorooctane 85.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 90.3 % 46.3-178

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Analytical Results For:

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Received: 10/27/2022
 Reported: 11/03/2022
 Project Name: RED TANK 31 - 5H
 Project Number: (5-18-21)
 Project Location: OXY - LEA COUNTY NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM SAMPLE 24 @ 2' (H225077-24)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2022	ND	1.93	96.5	2.00	0.247		
Toluene*	<0.050	0.050	11/02/2022	ND	2.08	104	2.00	0.174		
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	2.10	105	2.00	0.234		
Total Xylenes*	<0.150	0.150	11/02/2022	ND	6.40	107	6.00	0.249		
Total BTEx	<0.300	0.300	11/02/2022	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	10/31/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2022	ND	200	100	200	1.93	
DRO >C10-C28*	<10.0	10.0	10/31/2022	ND	200	100	200	0.344	
EXT DRO >C28-C36	<10.0	10.0	10/31/2022	ND					

Surrogate: 1-Chlorooctane 88.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 92.2 % 46.3-178

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Analytical Results For:

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Received: 10/27/2022
 Reported: 11/03/2022
 Project Name: RED TANK 31 - 5H
 Project Number: (5-18-21)
 Project Location: OXY - LEA COUNTY NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM SAMPLE 25 @ 2' (H225077-25)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2022	ND	1.93	96.5	2.00	0.247		
Toluene*	<0.050	0.050	11/02/2022	ND	2.08	104	2.00	0.174		
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	2.10	105	2.00	0.234		
Total Xylenes*	<0.150	0.150	11/02/2022	ND	6.40	107	6.00	0.249		
Total BTEx	<0.300	0.300	11/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 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	10/31/2022	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2022	ND	200	100	200	1.93	
DRO >C10-C28*	<10.0	10.0	10/31/2022	ND	200	100	200	0.344	
EXT DRO >C28-C36	<10.0	10.0	10/31/2022	ND					

Surrogate: 1-Chlorooctane 86.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 90.4 % 46.3-178

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

Received: 10/27/2022
 Reported: 11/03/2022
 Project Name: RED TANK 31 - 5H
 Project Number: (5-18-21)
 Project Location: OXY - LEA COUNTY NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM SAMPLE 26 @ 2' (H225077-26)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2022	ND	1.93	96.5	2.00	0.247		
Toluene*	<0.050	0.050	11/02/2022	ND	2.08	104	2.00	0.174		
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	2.10	105	2.00	0.234		
Total Xylenes*	<0.150	0.150	11/02/2022	ND	6.40	107	6.00	0.249		
Total BTEx	<0.300	0.300	11/02/2022	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	10/31/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2022	ND	200	100	200	1.93	
DRO >C10-C28*	<10.0	10.0	10/31/2022	ND	200	100	200	0.344	
EXT DRO >C28-C36	<10.0	10.0	10/31/2022	ND					

Surrogate: 1-Chlorooctane 92.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 96.9 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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 Fax To: (575) 397-0397

Received: 10/27/2022
 Reported: 11/03/2022
 Project Name: RED TANK 31 - 5H
 Project Number: (5-18-21)
 Project Location: OXY - LEA COUNTY NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM SAMPLE 27 @ 2' (H225077-27)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2022	ND	1.93	96.5	2.00	0.247	
Toluene*	<0.050	0.050	11/02/2022	ND	2.08	104	2.00	0.174	
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	2.10	105	2.00	0.234	
Total Xylenes*	<0.150	0.150	11/02/2022	ND	6.40	107	6.00	0.249	
Total BTEx	<0.300	0.300	11/02/2022	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	10/31/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2022	ND	200	100	200	1.93	
DRO >C10-C28*	<10.0	10.0	10/31/2022	ND	200	100	200	0.344	
EXT DRO >C28-C36	<10.0	10.0	10/31/2022	ND					

Surrogate: 1-Chlorooctane 75.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 82.8 % 46.3-178

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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: 10/27/2022
 Reported: 11/03/2022
 Project Name: RED TANK 31 - 5H
 Project Number: (5-18-21)
 Project Location: OXY - LEA COUNTY NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM SAMPLE 28 @ 2' (H225077-28)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2022	ND	1.93	96.5	2.00	0.247		
Toluene*	<0.050	0.050	11/02/2022	ND	2.08	104	2.00	0.174		
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	2.10	105	2.00	0.234		
Total Xylenes*	<0.150	0.150	11/02/2022	ND	6.40	107	6.00	0.249		
Total BTEx	<0.300	0.300	11/02/2022	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	10/31/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2022	ND	200	100	200	1.93	
DRO >C10-C28*	<10.0	10.0	10/31/2022	ND	200	100	200	0.344	
EXT DRO >C28-C36	<10.0	10.0	10/31/2022	ND					

Surrogate: 1-Chlorooctane 91.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 96.3 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/27/2022
 Reported: 11/03/2022
 Project Name: RED TANK 31 - 5H
 Project Number: (5-18-21)
 Project Location: OXY - LEA COUNTY NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM SAMPLE 29 @ 2' (H225077-29)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2022	ND	1.93	96.5	2.00	0.247	
Toluene*	<0.050	0.050	11/02/2022	ND	2.08	104	2.00	0.174	
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	2.10	105	2.00	0.234	
Total Xylenes*	<0.150	0.150	11/02/2022	ND	6.40	107	6.00	0.249	
Total BTEx	<0.300	0.300	11/02/2022	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	10/31/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2022	ND	184	92.2	200	2.14	
DRO >C10-C28*	<10.0	10.0	10/31/2022	ND	211	106	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	10/31/2022	ND					

Surrogate: 1-Chlorooctane 81.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 95.0 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/27/2022
 Reported: 11/03/2022
 Project Name: RED TANK 31 - 5H
 Project Number: (5-18-21)
 Project Location: OXY - LEA COUNTY NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM SAMPLE 30 @ 2' (H225077-30)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2022	ND	1.93	96.5	2.00	0.247		
Toluene*	<0.050	0.050	11/02/2022	ND	2.08	104	2.00	0.174		
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	2.10	105	2.00	0.234		
Total Xylenes*	<0.150	0.150	11/02/2022	ND	6.40	107	6.00	0.249		
Total BTEx	<0.300	0.300	11/02/2022	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	10/31/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	184	92.2	200	2.14	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	211	106	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					

Surrogate: 1-Chlorooctane 95.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 108 % 46.3-178

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Analytical Results For:

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

Received: 10/27/2022
 Reported: 11/03/2022
 Project Name: RED TANK 31 - 5H
 Project Number: (5-18-21)
 Project Location: OXY - LEA COUNTY NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM SAMPLE 31 @ 2' (H225077-31)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2022	ND	1.93	96.5	2.00	0.247		
Toluene*	<0.050	0.050	11/02/2022	ND	2.08	104	2.00	0.174		
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	2.10	105	2.00	0.234		
Total Xylenes*	<0.150	0.150	11/02/2022	ND	6.40	107	6.00	0.249		
Total BTEx	<0.300	0.300	11/02/2022	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	10/31/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	184	92.2	200	2.14	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	211	106	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					

Surrogate: 1-Chlorooctane 97.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 112 % 46.3-178

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Analytical Results For:

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

Received: 10/27/2022
 Reported: 11/03/2022
 Project Name: RED TANK 31 - 5H
 Project Number: (5-18-21)
 Project Location: OXY - LEA COUNTY NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM SAMPLE 32 @ 2' (H225077-32)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2022	ND	1.93	96.5	2.00	0.247		
Toluene*	<0.050	0.050	11/02/2022	ND	2.08	104	2.00	0.174		
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	2.10	105	2.00	0.234		
Total Xylenes*	<0.150	0.150	11/02/2022	ND	6.40	107	6.00	0.249		
Total BTEx	<0.300	0.300	11/02/2022	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	10/31/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	184	92.2	200	2.14	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	211	106	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					

Surrogate: 1-Chlorooctane 92.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 106 % 46.3-178

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Analytical Results For:

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

Received: 10/27/2022
 Reported: 11/03/2022
 Project Name: RED TANK 31 - 5H
 Project Number: (5-18-21)
 Project Location: OXY - LEA COUNTY NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM SAMPLE 33 @ 2' (H225077-33)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2022	ND	1.93	96.5	2.00	0.247		
Toluene*	<0.050	0.050	11/02/2022	ND	2.08	104	2.00	0.174		
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	2.10	105	2.00	0.234		
Total Xylenes*	<0.150	0.150	11/02/2022	ND	6.40	107	6.00	0.249		
Total BTEx	<0.300	0.300	11/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 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	10/31/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	184	92.2	200	2.14	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	211	106	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					

Surrogate: 1-Chlorooctane 91.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 104 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/27/2022
 Reported: 11/03/2022
 Project Name: RED TANK 31 - 5H
 Project Number: (5-18-21)
 Project Location: OXY - LEA COUNTY NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM SAMPLE 34 @ 2' (H225077-34)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2022	ND	1.93	96.5	2.00	0.247		
Toluene*	<0.050	0.050	11/02/2022	ND	2.08	104	2.00	0.174		
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	2.10	105	2.00	0.234		
Total Xylenes*	<0.150	0.150	11/02/2022	ND	6.40	107	6.00	0.249		
Total BTEx	<0.300	0.300	11/02/2022	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	10/31/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	184	92.2	200	2.14	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	211	106	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					

Surrogate: 1-Chlorooctane 91.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 105 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/27/2022
 Reported: 11/03/2022
 Project Name: RED TANK 31 - 5H
 Project Number: (5-18-21)
 Project Location: OXY - LEA COUNTY NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM SAMPLE 35 @ 2' (H225077-35)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2022	ND	1.93	96.5	2.00	0.247		
Toluene*	<0.050	0.050	11/02/2022	ND	2.08	104	2.00	0.174		
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	2.10	105	2.00	0.234		
Total Xylenes*	<0.150	0.150	11/02/2022	ND	6.40	107	6.00	0.249		
Total BTEx	<0.300	0.300	11/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 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	10/31/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	184	92.2	200	2.14	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	211	106	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					

Surrogate: 1-Chlorooctane 87.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 99.9 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/27/2022
 Reported: 11/03/2022
 Project Name: RED TANK 31 - 5H
 Project Number: (5-18-21)
 Project Location: OXY - LEA COUNTY NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM SAMPLE 36 @ 2' (H225077-36)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2022	ND	1.93	96.5	2.00	0.247		
Toluene*	<0.050	0.050	11/02/2022	ND	2.08	104	2.00	0.174		
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	2.10	105	2.00	0.234		
Total Xylenes*	<0.150	0.150	11/02/2022	ND	6.40	107	6.00	0.249		
Total BTEx	<0.300	0.300	11/02/2022	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	10/31/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	184	92.2	200	2.14	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	211	106	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					

Surrogate: 1-Chlorooctane 94.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 108 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/27/2022
 Reported: 11/03/2022
 Project Name: RED TANK 31 - 5H
 Project Number: (5-18-21)
 Project Location: OXY - LEA COUNTY NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM SAMPLE 37 @ 2' (H225077-37)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2022	ND	1.93	96.5	2.00	0.247		
Toluene*	<0.050	0.050	11/02/2022	ND	2.08	104	2.00	0.174		
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	2.10	105	2.00	0.234		
Total Xylenes*	<0.150	0.150	11/02/2022	ND	6.40	107	6.00	0.249		
Total BTEx	<0.300	0.300	11/02/2022	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	10/31/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	184	92.2	200	2.14	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	211	106	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					

Surrogate: 1-Chlorooctane 93.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 106 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/27/2022
 Reported: 11/03/2022
 Project Name: RED TANK 31 - 5H
 Project Number: (5-18-21)
 Project Location: OXY - LEA COUNTY NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM SAMPLE 38 @ 2' (H225077-38)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2022	ND	1.93	96.5	2.00	0.247		
Toluene*	<0.050	0.050	11/02/2022	ND	2.08	104	2.00	0.174		
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	2.10	105	2.00	0.234		
Total Xylenes*	<0.150	0.150	11/02/2022	ND	6.40	107	6.00	0.249		
Total BTEx	<0.300	0.300	11/02/2022	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	10/31/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	184	92.2	200	2.14	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	211	106	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					

Surrogate: 1-Chlorooctane 98.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 112 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/27/2022
 Reported: 11/03/2022
 Project Name: RED TANK 31 - 5H
 Project Number: (5-18-21)
 Project Location: OXY - LEA COUNTY NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM SAMPLE 39 @ 2' (H225077-39)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2022	ND	1.93	96.5	2.00	0.247		
Toluene*	<0.050	0.050	11/02/2022	ND	2.08	104	2.00	0.174		
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	2.10	105	2.00	0.234		
Total Xylenes*	<0.150	0.150	11/02/2022	ND	6.40	107	6.00	0.249		
Total BTX	<0.300	0.300	11/02/2022	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	10/31/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	184	92.2	200	2.14	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	211	106	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					

Surrogate: 1-Chlorooctane 83.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 95.3 % 46.3-178

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Analytical Results For:

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

Received: 10/27/2022
 Reported: 11/03/2022
 Project Name: RED TANK 31 - 5H
 Project Number: (5-18-21)
 Project Location: OXY - LEA COUNTY NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM SAMPLE 40 @ 2' (H225077-40)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2022	ND	1.93	96.5	2.00	0.247		
Toluene*	<0.050	0.050	11/02/2022	ND	2.08	104	2.00	0.174		
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	2.10	105	2.00	0.234		
Total Xylenes*	<0.150	0.150	11/02/2022	ND	6.40	107	6.00	0.249		
Total BTEx	<0.300	0.300	11/02/2022	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	10/31/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	184	92.2	200	2.14	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	211	106	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					

Surrogate: 1-Chlorooctane 89.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 101 % 46.3-178

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Analytical Results For:

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 Fax To: (575) 397-0397

Received: 10/27/2022
 Reported: 11/03/2022
 Project Name: RED TANK 31 - 5H
 Project Number: (5-18-21)
 Project Location: OXY - LEA COUNTY NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM SAMPLE 41 @ 2' (H225077-41)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2022	ND	1.89	94.7	2.00	0.766		
Toluene*	<0.050	0.050	11/02/2022	ND	2.15	108	2.00	1.15		
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	2.08	104	2.00	0.650		
Total Xylenes*	<0.150	0.150	11/02/2022	ND	6.28	105	6.00	1.04		
Total BTX	<0.300	0.300	11/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 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	10/31/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	184	92.2	200	2.14	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	211	106	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					

Surrogate: 1-Chlorooctane 95.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 108 % 46.3-178

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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: 10/27/2022
 Reported: 11/03/2022
 Project Name: RED TANK 31 - 5H
 Project Number: (5-18-21)
 Project Location: OXY - LEA COUNTY NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM SAMPLE 42 @ 2' (H225077-42)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2022	ND	1.89	94.7	2.00	0.766	
Toluene*	<0.050	0.050	11/02/2022	ND	2.15	108	2.00	1.15	
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	2.08	104	2.00	0.650	
Total Xylenes*	<0.150	0.150	11/02/2022	ND	6.28	105	6.00	1.04	
Total BTX	<0.300	0.300	11/02/2022	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	10/31/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	184	92.2	200	2.14	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	211	106	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					

Surrogate: 1-Chlorooctane 95.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 109 % 46.3-178

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Analytical Results For:

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

Received: 10/27/2022
 Reported: 11/03/2022
 Project Name: RED TANK 31 - 5H
 Project Number: (5-18-21)
 Project Location: OXY - LEA COUNTY NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM SAMPLE 43 @ 2' (H225077-43)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2022	ND	1.89	94.7	2.00	0.766		
Toluene*	<0.050	0.050	11/02/2022	ND	2.15	108	2.00	1.15		
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	2.08	104	2.00	0.650		
Total Xylenes*	<0.150	0.150	11/02/2022	ND	6.28	105	6.00	1.04		
Total BTEx	<0.300	0.300	11/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 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	10/31/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	184	92.2	200	2.14	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	211	106	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					

Surrogate: 1-Chlorooctane 93.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 106 % 46.3-178

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Analytical Results For:

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 Fax To: (575) 397-0397

Received: 10/27/2022
 Reported: 11/03/2022
 Project Name: RED TANK 31 - 5H
 Project Number: (5-18-21)
 Project Location: OXY - LEA COUNTY NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM SAMPLE 44 @ 2' (H225077-44)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2022	ND	1.89	94.7	2.00	0.766		
Toluene*	<0.050	0.050	11/02/2022	ND	2.15	108	2.00	1.15		
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	2.08	104	2.00	0.650		
Total Xylenes*	<0.150	0.150	11/02/2022	ND	6.28	105	6.00	1.04		
Total BTX	<0.300	0.300	11/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 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	10/31/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	184	92.2	200	2.14	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	211	106	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					

Surrogate: 1-Chlorooctane 99.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 113 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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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: 10/27/2022
 Reported: 11/03/2022
 Project Name: RED TANK 31 - 5H
 Project Number: (5-18-21)
 Project Location: OXY - LEA COUNTY NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM SAMPLE 45 @ 2' (H225077-45)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2022	ND	1.89	94.7	2.00	0.766		
Toluene*	<0.050	0.050	11/02/2022	ND	2.15	108	2.00	1.15		
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	2.08	104	2.00	0.650		
Total Xylenes*	<0.150	0.150	11/02/2022	ND	6.28	105	6.00	1.04		
Total BTEx	<0.300	0.300	11/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 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	10/31/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	184	92.2	200	2.14	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	211	106	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					

Surrogate: 1-Chlorooctane 94.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 111 % 46.3-178

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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: 10/27/2022
 Reported: 11/03/2022
 Project Name: RED TANK 31 - 5H
 Project Number: (5-18-21)
 Project Location: OXY - LEA COUNTY NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM SAMPLE 46 @ 2' (H225077-46)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2022	ND	1.89	94.7	2.00	0.766		
Toluene*	<0.050	0.050	11/02/2022	ND	2.15	108	2.00	1.15		
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	2.08	104	2.00	0.650		
Total Xylenes*	<0.150	0.150	11/02/2022	ND	6.28	105	6.00	1.04		
Total BTEx	<0.300	0.300	11/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 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	10/31/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	184	92.2	200	2.14	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	211	106	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					

Surrogate: 1-Chlorooctane 101 % 45.3-161

Surrogate: 1-Chlorooctadecane 115 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/27/2022
 Reported: 11/03/2022
 Project Name: RED TANK 31 - 5H
 Project Number: (5-18-21)
 Project Location: OXY - LEA COUNTY NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM SAMPLE 47 @ 2' (H225077-47)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2022	ND	1.89	94.7	2.00	0.766	
Toluene*	<0.050	0.050	11/02/2022	ND	2.15	108	2.00	1.15	
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	2.08	104	2.00	0.650	
Total Xylenes*	<0.150	0.150	11/02/2022	ND	6.28	105	6.00	1.04	
Total BTX	<0.300	0.300	11/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 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	10/31/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	184	92.2	200	2.14	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	211	106	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					

Surrogate: 1-Chlorooctane 98.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 111 % 46.3-178

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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: 10/27/2022
 Reported: 11/03/2022
 Project Name: RED TANK 31 - 5H
 Project Number: (5-18-21)
 Project Location: OXY - LEA COUNTY NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL 1 (H225077-48)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2022	ND	1.89	94.7	2.00	0.766		
Toluene*	<0.050	0.050	11/02/2022	ND	2.15	108	2.00	1.15		
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	2.08	104	2.00	0.650		
Total Xylenes*	<0.150	0.150	11/02/2022	ND	6.28	105	6.00	1.04		
Total BTX	<0.300	0.300	11/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 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	10/31/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	184	92.2	200	2.14	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	211	106	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					

Surrogate: 1-Chlorooctane 99.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 112 % 46.3-178

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Analytical Results For:

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 Fax To: (575) 397-0397

Received: 10/27/2022
 Reported: 11/03/2022
 Project Name: RED TANK 31 - 5H
 Project Number: (5-18-21)
 Project Location: OXY - LEA COUNTY NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL 2 (H225077-49)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2022	ND	1.89	94.7	2.00	0.766		
Toluene*	<0.050	0.050	11/02/2022	ND	2.15	108	2.00	1.15		
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	2.08	104	2.00	0.650		
Total Xylenes*	<0.150	0.150	11/02/2022	ND	6.28	105	6.00	1.04		
Total BTX	<0.300	0.300	11/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 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	10/31/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2022	ND	192	95.8	200	3.46	
DRO >C10-C28*	<10.0	10.0	10/31/2022	ND	191	95.6	200	3.20	
EXT DRO >C28-C36	<10.0	10.0	10/31/2022	ND					

Surrogate: 1-Chlorooctane 95.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 112 % 46.3-178

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Analytical Results For:

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

Received: 10/27/2022
 Reported: 11/03/2022
 Project Name: RED TANK 31 - 5H
 Project Number: (5-18-21)
 Project Location: OXY - LEA COUNTY NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL 3 (H225077-50)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2022	ND	1.89	94.7	2.00	0.766		
Toluene*	<0.050	0.050	11/02/2022	ND	2.15	108	2.00	1.15		
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	2.08	104	2.00	0.650		
Total Xylenes*	<0.150	0.150	11/02/2022	ND	6.28	105	6.00	1.04		
Total BTEx	<0.300	0.300	11/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	10/31/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2022	ND	192	95.8	200	3.46	
DRO >C10-C28*	<10.0	10.0	10/31/2022	ND	191	95.6	200	3.20	
EXT DRO >C28-C36	<10.0	10.0	10/31/2022	ND					

Surrogate: 1-Chlorooctane 84.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 104 % 46.3-178

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Analytical Results For:

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

Received: 10/27/2022
 Reported: 11/03/2022
 Project Name: RED TANK 31 - 5H
 Project Number: (5-18-21)
 Project Location: OXY - LEA COUNTY NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL 4 (H225077-51)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2022	ND	1.89	94.7	2.00	0.766		
Toluene*	<0.050	0.050	11/02/2022	ND	2.15	108	2.00	1.15		
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	2.08	104	2.00	0.650		
Total Xylenes*	<0.150	0.150	11/02/2022	ND	6.28	105	6.00	1.04		
Total BTEx	<0.300	0.300	11/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 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	10/31/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2022	ND	192	95.8	200	3.46	
DRO >C10-C28*	<10.0	10.0	10/31/2022	ND	191	95.6	200	3.20	
EXT DRO >C28-C36	<10.0	10.0	10/31/2022	ND					

Surrogate: 1-Chlorooctane 117 % 45.3-161

Surrogate: 1-Chlorooctadecane 139 % 46.3-178

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Analytical Results For:

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

Received: 10/27/2022
 Reported: 11/03/2022
 Project Name: RED TANK 31 - 5H
 Project Number: (5-18-21)
 Project Location: OXY - LEA COUNTY NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL 5 (H225077-52)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2022	ND	1.89	94.7	2.00	0.766	
Toluene*	<0.050	0.050	11/02/2022	ND	2.15	108	2.00	1.15	
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	2.08	104	2.00	0.650	
Total Xylenes*	<0.150	0.150	11/02/2022	ND	6.28	105	6.00	1.04	
Total BTEx	<0.300	0.300	11/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 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	10/31/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2022	ND	192	95.8	200	3.46	
DRO >C10-C28*	<10.0	10.0	10/31/2022	ND	191	95.6	200	3.20	
EXT DRO >C28-C36	<10.0	10.0	10/31/2022	ND					

Surrogate: 1-Chlorooctane 95.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 113 % 46.3-178

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Analytical Results For:

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

Received: 10/27/2022
 Reported: 11/03/2022
 Project Name: RED TANK 31 - 5H
 Project Number: (5-18-21)
 Project Location: OXY - LEA COUNTY NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL 6 (H225077-53)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2022	ND	1.89	94.7	2.00	0.766		
Toluene*	<0.050	0.050	11/02/2022	ND	2.15	108	2.00	1.15		
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	2.08	104	2.00	0.650		
Total Xylenes*	<0.150	0.150	11/02/2022	ND	6.28	105	6.00	1.04		
Total BTX	<0.300	0.300	11/02/2022	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	10/31/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	192	95.8	200	3.46	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	191	95.6	200	3.20	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					

Surrogate: 1-Chlorooctane 90.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 108 % 46.3-178

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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: 10/27/2022
 Reported: 11/03/2022
 Project Name: RED TANK 31 - 5H
 Project Number: (5-18-21)
 Project Location: OXY - LEA COUNTY NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL 7 (H225077-54)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2022	ND	1.89	94.7	2.00	0.766		
Toluene*	<0.050	0.050	11/02/2022	ND	2.15	108	2.00	1.15		
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	2.08	104	2.00	0.650		
Total Xylenes*	<0.150	0.150	11/02/2022	ND	6.28	105	6.00	1.04		
Total BTX	<0.300	0.300	11/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 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	10/31/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	192	95.8	200	3.46	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	191	95.6	200	3.20	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					

Surrogate: 1-Chlorooctane 90.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 107 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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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										Attn:																			
State: NM Zip: 88241																													
Phone #: 575-397-6388										Address:																			
Fax #: 575-397-0397										City:																			
Project #:										State: Zip:																			
Project Name: RED TANK 31-5H (5/18/21)										Phone #:																			
Project Location: New Mexico										Fax #:																			
Sampler Name: ROGER																													
FOR LAB USE ONLY																													
Lab I.D.										Sample I.D.																			
H225077																													
21										BOTTOM SAMPLE 21@2'																			
22										BOTTOM SAMPLE 22@2'																			
23										BOTTOM SAMPLE 23@2'																			
24										BOTTOM SAMPLE 24@2'																			
25										BOTTOM SAMPLE 25@2'																			
26										BOTTOM SAMPLE 26@2'																			
27										BOTTOM SAMPLE 27@2'																			
28										BOTTOM SAMPLE 28@2'																			
29										BOTTOM SAMPLE 29@2'																			
30										BOTTOM SAMPLE 30@2'																			
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Relinquished By: <i>Roger Henry</i>										Date: 10-27-22																			
Relinquished By: <i>Cliff Brunson</i>										Time: 8:00am																			
Date: 10-27-22										Received By: <i>Cliff Brunson</i>																			
Time: 1:00pm																													
Delivered By: (Circle One)										Sample Condition																			
Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>																													
Sampler - UPS - Bus - Other: 1.6c/1.0c																													
CHECKED BY: <i>Cliff Brunson</i>																													
REMARKS:																													
Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No										Add'l Phone #:																			
Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No										Add'l Fax #:																			



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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				Attn:									
State: NM Zip: 88241				Address:									
Phone #: 575-397-6388 Fax #: 575-397-0397				City:									
Project #:				State:				Zip:					
Project Name: RED TANK 31-5H (5/18/21)				Phone #:									
Project Location: New Mexico				Fax #:									
Sampler Name: ROGER													
FOR LAB USE ONLY													
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV		SAMPLING	
								GROUNDWATER					
								WASTEWATER					
								SOIL					
								OIL					
								SLUDGE					
								OTHER :					
								ACID/BASE:					
								ICE / COOL					
								OTHER :					
								DATE		TIME			
H225077		BOTTOM SAMPLE 31@2'		0		1		10/25/22		1:20PM		✓	
31		BOTTOM SAMPLE 32@2'						10/25/22		1:25PM		✓	
32		BOTTOM SAMPLE 33@2'						10/25/22		1:30PM		✓	
33		BOTTOM SAMPLE 34@2'						10/25/22		1:35PM		✓	
34		BOTTOM SAMPLE 35@2'						10/25/22		1:40PM		✓	
35		BOTTOM SAMPLE 36@2'						10/25/22		1:45PM		✓	
36		BOTTOM SAMPLE 37@2'						10/25/22		1:50PM		✓	
37		BOTTOM SAMPLE 38@2'						10/25/22		1:55PM		✓	
38		BOTTOM SAMPLE 39@2'						10/25/22		2:00PM		✓	
39		BOTTOM SAMPLE 40@2'						10/25/22		2:05PM		✓	
40													
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Relinquished By:				Received By:				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:					
Roger Hoberg				Cliff Brunson				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:					
Date: 10-27-22				Date: 10-27-22									
Time: 8:10 AM				Time: 1:00 PM									
Relinquished By:				Received By:									
Cliff Brunson				Cliff Brunson									
Date: 10-27-22				Date: 10-27-22									
Time: 1:00 PM				Time: 1:00 PM									
Delivered By: (Circle One)				Sample Condition				CHECKED BY:					
UPS - Bus - Other: 1.6c / 1.0c				<input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No				(Initials)					

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



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Company Name: BBC International, Inc.						BILL TO								ANALYSIS REQUEST																			
Project Manager: Cliff Brunson						P.O. #:																											
Address: P.O. Box 805						Company: Oxy																											
City: Hobbs						Attn:																											
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Project #:						State:																											
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Sample Name: ROGER						Fax #:																											
FOR LAB USE ONLY						PRESERV								SAMPLING																			
Lab I.D.						MATRIX																											
Sample I.D.						GROUNDWATER																											
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						SOIL																											
						OIL																											
						SLUDGE																											
						OTHER :																											
						ACID/BASE:																											
						ICE / COOL																											
						OTHER :																											
						DATE								TIME																			
H225077						BOTTOM SAMPLE 41@2'								10/25/22 2:10PM																			
41						(G)RAB OR (C)OMP.								✓																			
42						# CONTAINERS								✓																			
43						BOTTOM SAMPLE 42@2'								10/25/22 2:15PM																			
44						BOTTOM SAMPLE 43@2'								10/25/22 2:20PM																			
45						BOTTOM SAMPLE 44@2'								10/25/22 2:25PM																			
46						BOTTOM SAMPLE 45@2'								10/25/22 2:30PM																			
47						BOTTOM SAMPLE 46@2'								10/25/22 2:35PM																			
48						BOTTOM SAMPLE 47@2'								10/25/22 2:40PM																			
49						SIDEWALL 1								10/25/22 2:45PM																			
50						SIDEWALL 2								10/25/22 2:50PM																			
SIDewall 3														10/25/22 2:55PM																			
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Relinquished By: [Signature]													Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							Add'l Phone #:													
Delivered By: (Circle One)													Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							Add'l Fax #:													
Sampler - UPS - Bus - Other:													REMARKS:																				



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

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

CONDITIONS

Action 163169

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 163169
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	1/5/2023