

Closure Report

nAPP223195203

Site Description

Site Name:	WHOMPING WILLOW CTB
Company:	Oxy USA, Inc.
Legal Description:	U/L N, Section 16, T24S, R32E
County:	Lea County, NM
GPS Coordinates:	N 32.218499,W-103.976027

Release Data

Date of Release:	11/11/2022
Type of Release:	Produced water,Oil
Source of Release:	Pw water tank fire
Volume of Release:	OIL 1630 BBLS , WATER 114BBLS
Volume Recovered:	OIL 100BBLS ,0 WATER

Remediation Specifications

Remediation Parameters:	OXY excavated the spill area as depicted on the following site diagram. The leak (North) was excavated to a depth of 2 feet. The leak area (south) was excavated to a depth of 4 feet. The leak area to the SE was excavated to a depth of 1 foot. OXY collected bottom and sidewall confirmation samples every 200 square feet.
Remediation Activities:	6-13-23 - 8-17-23

Plan Sent to OCD:		Risk based
OCD Approval of Plan:		
Plan Sent to BLM:		
BLM Approval of Plan:		

Supporting Documentation

Initial C-141	signed and included	
C-141, page 6	signed and included	
Site Diagram	Google Earth map with excavation depths & confirmation sample points	
Pictures	Remediation photos	
Lab Summary/Analysis	Confirmation lab summary/analysis report for 7/25/23,8/4/23,8/7/23,8/17/23	
Notifications		07/18/23,07/19/23,08/07/23

Request for Closure

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

Cliff Brunson, President of BBC International Inc.

10/4/2023

Form C-141

Page 6

State of New Mexico
Oil Conservation Division

Incident ID	nPP2231952023
District RP	
Facility ID	
Application ID	


Closure

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

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

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

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

Printed Name: Wade Dittrich Title: Environmental Coordinator
Signature:  Date: 8-23-23
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: _____

Printed Name: _____ Title: _____

From: [Wells, Shelly, EMNRD](#)
To: [Cliff P. Brunson](#)
Cc: [Bratcher, Michael, EMNRD](#); [Hamlet, Robert, EMNRD](#)
Subject: RE: [EXTERNAL] OXY - Whomping Willow CTB (11/11/22) (nAPP2231952023) - Sampling Notification
Date: Wednesday, July 19, 2023 9:04:19 AM

Good morning Cliff,

The OCD has received your notification. 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.

Thank you,

Shelly

[Shelly Wells](#) * Environmental Specialist-Advanced
Administrative Permitting Program
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive | Santa Fe, NM 87505
(505)469-7520 | Shelly.Wells@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

From: Cliff P. Brunson <cbrunson@bbcinternational.com>
Sent: Tuesday, July 18, 2023 7:13 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Wade Dittrich <Wade_Dittrich@oxy.com>; Tyson Pierce <tyson_pierce@oxy.com>; Kathy Sweeney <kathys@bbcinternational.com>; Jennifer Gilkey <jgilkey@bbcinternational.com>
Subject: [EXTERNAL] OXY - Whomping Willow CTB (11/11/22) (nAPP2231952023) - 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 Whomping Willow CTB (11/11/22) (nAPP2231952023) on Monday, July 24, 2023 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

From: [Wells, Shelly, EMNRD](#)
To: [Cliff P. Brunson](#)
Cc: [Bratcher, Michael, EMNRD](#); [Hamlet, Robert, EMNRD](#)
Subject: RE: [EXTERNAL] OXY - Whomping Willow CTB (11/11/22) (nAPP2231952023) - Sampling Notification
Date: Monday, August 7, 2023 8:51:38 AM

Hi Cliff,

The OCD has received your notification. 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.

Thank you,

Shelly

[Shelly Wells](#) * Environmental Specialist-Advanced
Administrative Permitting Program
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive | Santa Fe, NM 87505
(505)469-7520 | Shelly.Wells@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

From: Cliff P. Brunson <cbrunson@bbcinternational.com>
Sent: Friday, August 4, 2023 2:59 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Wade Dittrich <Wade_Dittrich@oxy.com>; Tyson Pierce <tyson_pierce@oxy.com>; Kathy Sweeney <kathys@bbcinternational.com>; Jennifer Gilkey <jgilkey@bbcinternational.com>
Subject: [EXTERNAL] OXY - Whomping Willow CTB (11/11/22) (nAPP2231952023) - 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 additional confirmation sampling on behalf of OXY at the Whomping Willow CTB (11/11/22) (nAPP2231952023) on Wednesday, August 9, 2023 at 9:00 a.m.

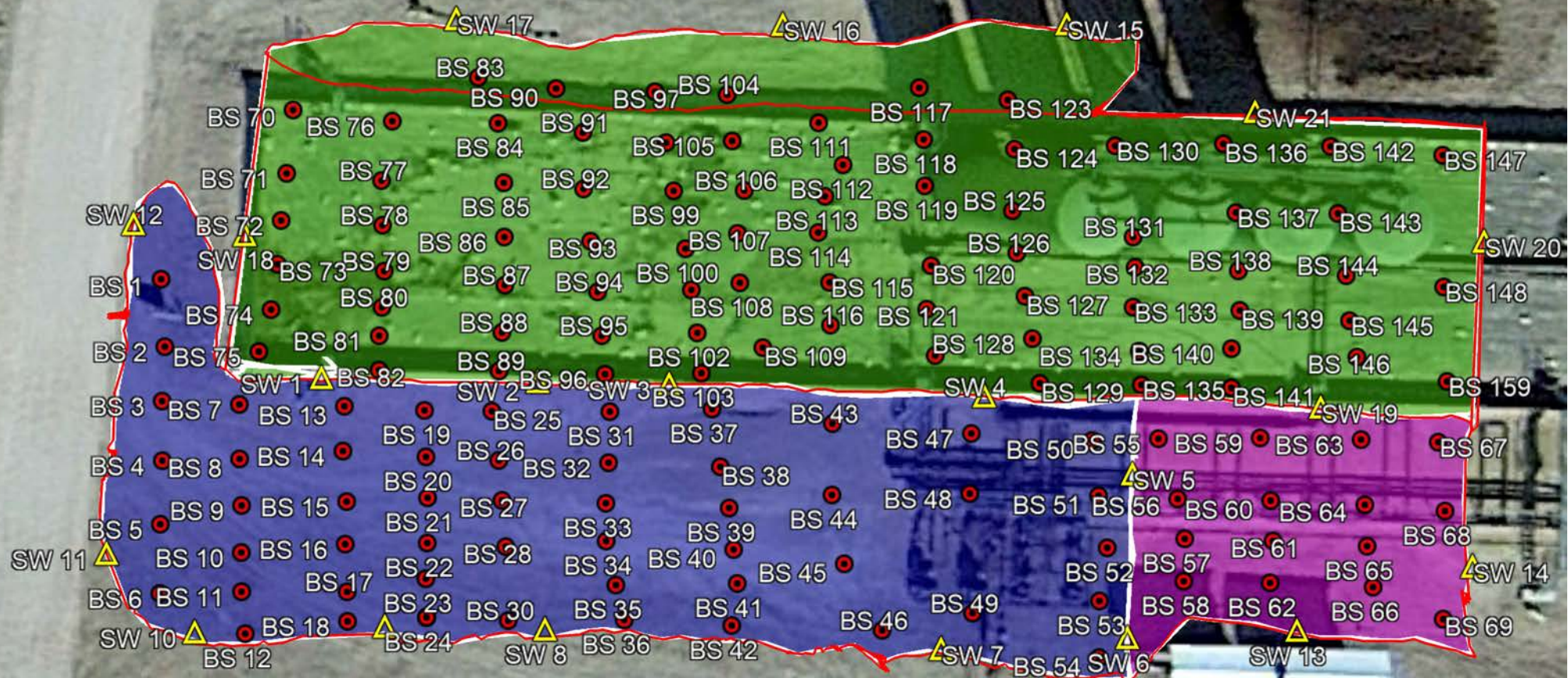
Cliff P. Brunson, CEI, CRS
President
BBC International, Inc.
World-Wide Environmental Specialists
Mailing Address:
P. O. Box 805
Hobbs, NM 88241-0805 USA

OXY-WHOMPING WILLOW CTB

LEAK DATE 11/11/2022
ID#nAPP2231952023
LEA,CO NM

Legend

- 1' EXCAVATION
- 2' EXCAVATION
- 4' EXCAVATION
- BOTTOM CONFIRMATION SAMPLE POINTS
- Leak Area
- SIDEWALL CONFIRMATION SAMPLE POINTS

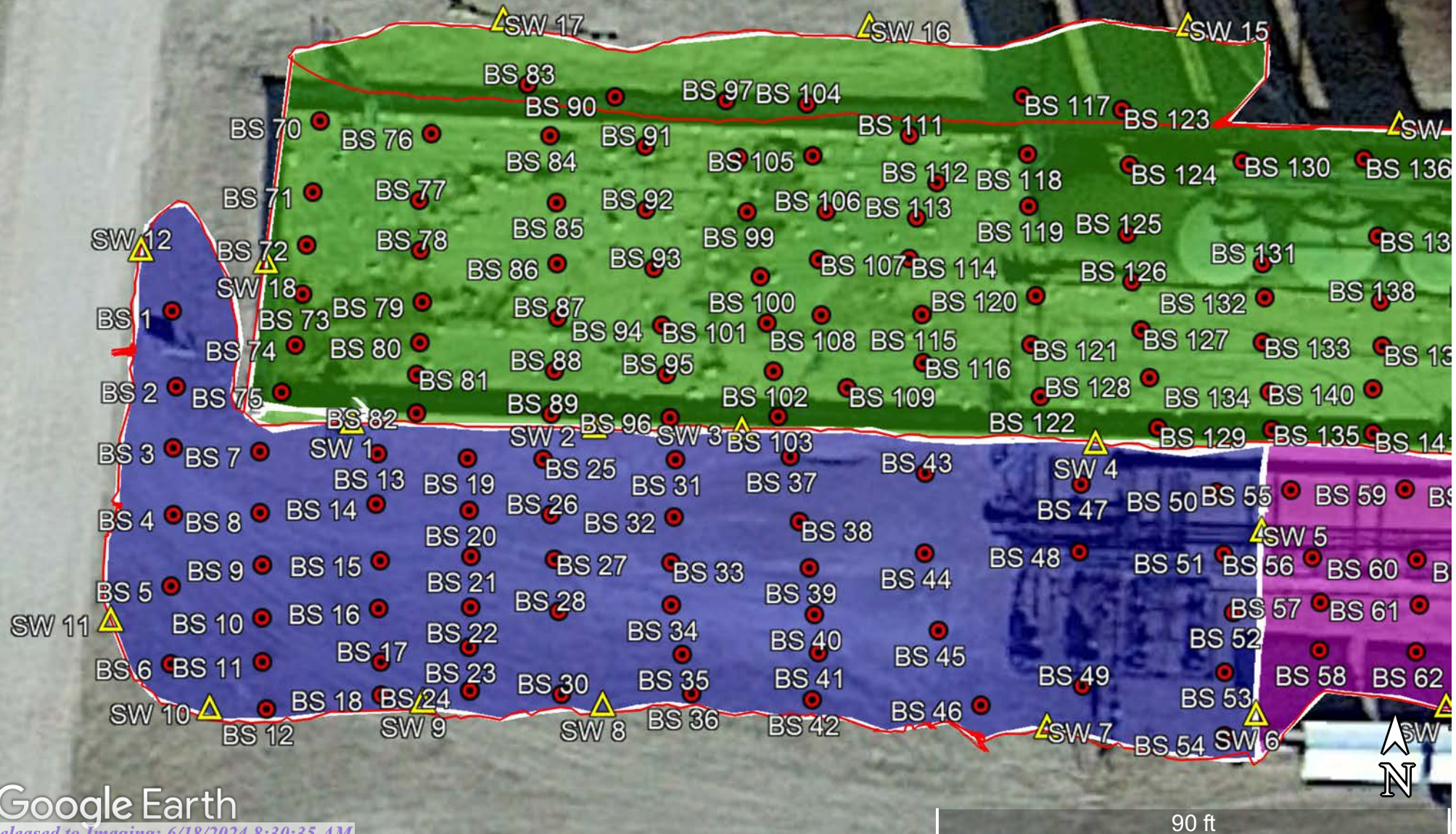


OXY-WHOMPING WILLOW CTB

LEAK DATE 11/11/2022
ID#nAPP2231952023
LEA,CO NM

Legend

- 1' EXCAVATION
- 2' EXCAVATION
- 4' EXCAVATION
- BOTTOM CONFIRMATION SAMPLE POINTS
- Leak Area
- SIDEWALL CONFIRMATION SAMPLE POINTS



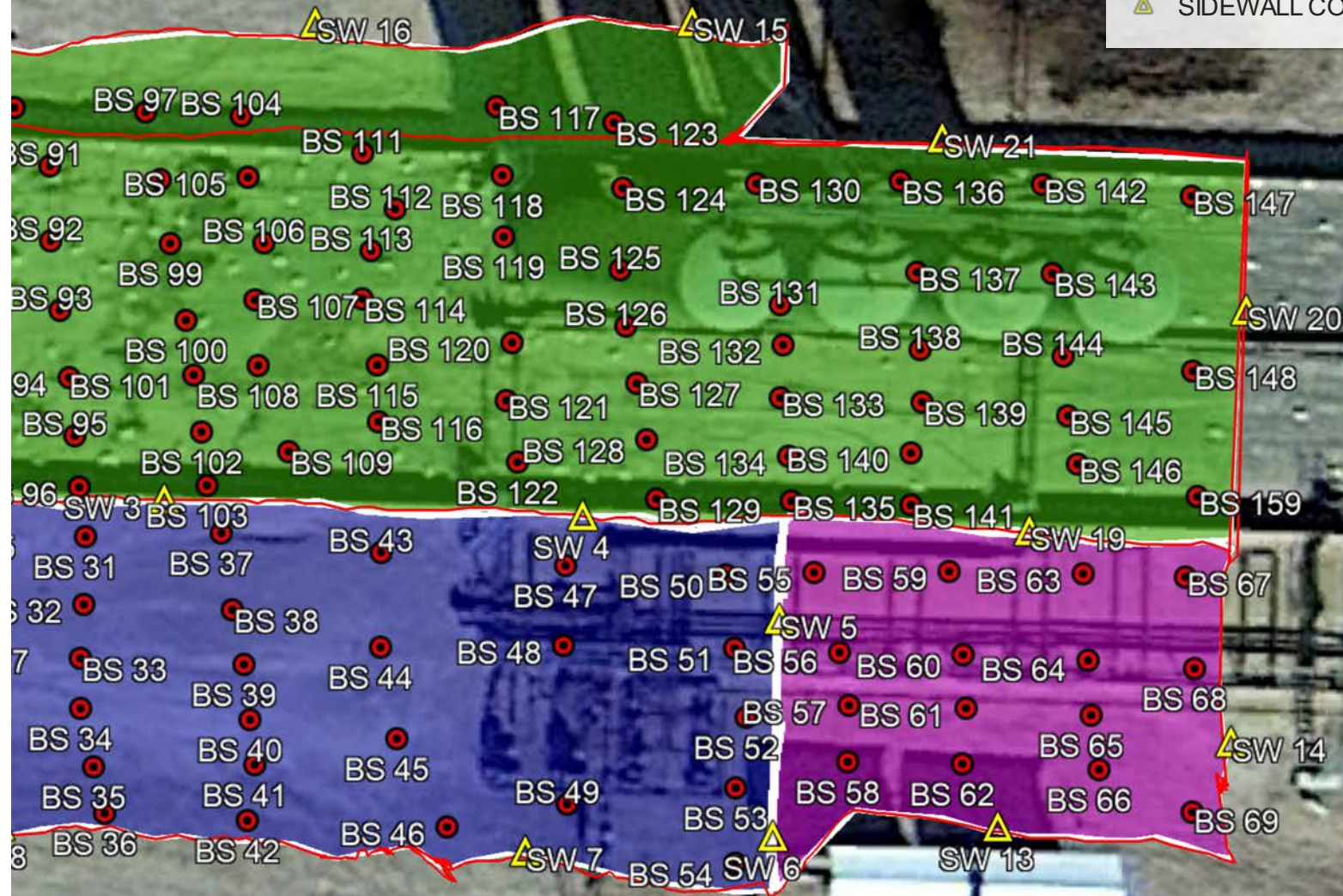
Google Earth

OXY-WHOMPING WILLOW CTB

LEAK DATE 11/11/2022
ID#nAPP2231952023
LEA,CO NM

Legend

- 1' EXCAVATION
- 2' EXCAVATION
- 4' EXCAVATION
- BOTTOM CONFIRMATION SAMPLE POINTS
- Leak Area
- SIDEWALL CONFIRMATION SAMPLE POINTS



Google Earth



OXY-WHOMPING WILLOW CTB (10/25/19) SAMPLE DATE 7/24/23,7/25/23

BOTTOM SAMPLE POINTS

BS 1 @4'	N 32.217850	W -103.976765
BS 2@4'	N 32.217829	W-103.976762
BS 3@4'	N 32.217785	W-103.976764
BS 4@4'	N 32.217752	W-103.976763
BS 5@4'	N 32.217718	W-103.976764
BS 6@4'	N 32.217681	W-103.976764
BS 7@4'	N 32.217783	W-103.976715
BS 8@4'	N 32.217754	W-103.976714
BS 9@4'	N 32.217729	W-103.976713
BS 10@4'	N 32.217703	W-103.976713
BS 11 @4'	N 32.217682	W-103.976712
BS 12@4'	N 32.217660	W-103.976710
BS 13@4'	N 32.217782	W-103.976648
BS 14@4'	N 32.217758	W-103.976649
BS 15@4'	N 32.217731	W-103.976646
BS 16@4'	N 32.217708	W-103.976647
BS 17@4'	N 32.217683	W-103.976645
BS 18@4'	N 32.217667	W-103.976645
BS 19@4'	N 32.217780	W-103.976997
BS 20@4'	N 32.217755	W-103.976596
BS 21@4	N 32.217733	W-103.976595
BS 22@4'	N 32.217709	W-103.976595
BS 23@4'	N 32.217690	W-103.976595
BS 24@4'	N 32.217669	W-103.976595
BS 25@4'	N 32.217780	W-103.976554
BS 26@4'	N 32.217754	W-103.976550
BS 27@4'	N 32.217732	W-103.976547
BS 28@4'	N 32.217707	W-103.976545
BS 29@4'	N 32.217687	W-103.976544
BS 30@4'	N 32.217668	W-103.976543
BS 31@4'	N 32.217781	W-103.976498
BS 32@4'	N 32.217753	W-103.976497
BS 33@4	N 32.217731	W-103.976499
BS 34@4'	N 32.217705	W-103.976497
BS 35@4'	N 32.217684	W-103.976497
BS 36@4	N 3.217667	W-103.976497
BS 37@4	N 32.21779	W-103.976442
BS 38@4'	N 32.21775	W-103.976443
BS 39@4'	N 32.217730	W-103.976445
BS 40@4'	N 32.217705	W-103.976445
BS 41@4'	N 32.217685	W-103.976446
BS 42@4'	N 32.217666	W-103.976445

BS 43@4'	N 32.217775	W-103.976338
BS 44@4'	N 32.217736	W-103.976338
BS 45@4'	N 32.217699	W-103.976330
BS 46@4'	N 32.217664	W-103.976305
BS 47@4'	N 32.217770	W-103.976249
BS 48@4'	N 32.217738	W-103.976250
BS 49@4'	N 32.217673	W-103.976248
BS 50@4'	N 32.217767	W-103.976173
BS 51@4'	N 32.217737	W-103.976168
BS 52@4'	N 32.217709	W-103.976162
BS 53@4'	N 32.216780	W-103.976167
BS 54@4'	N 32.217650	W-103.976167
BS 55@1'	N 32.217768	W-103.976130
BS 56@1'	N 32.217736	W-103.976118
BS 57@1'	N 32.217714	W-103.976113
BS 58@1'	N 32.217691	W-103.976114
BS 59@1'	N 32.217769	W-103.976066
BS 60@1'	N 32.217735	W-103.976059
BS 61@1'	N 32.217713	W-103.976057
BS 62@1'	N 32.217691	W-103.976059
BS 63@1'	N 32.217768	W-103.976002
BS 64@1'	N 32.217733	W-103.975999
BS 65@1'	N 32.217711	W-103.975997
BS 65@1'	N 32.217689	W-103.975993
BS 66@1'	N 32.217689	W-103.975991
BS 67@1'	N 32.217767	W-103.975953
BS 68@1'	N 32.217730	W-103.975948
BS 69@1'	N 32.217672	W-103.975949
BS 70@2'	N 32.217942	W-103.976682
BS 71@2'	N 32.217907	W-103.976685
BS 72@2'	N 32.217882	W-103.976689
BS 73@2'	N 32.217859	W-103.976691
BS 74@2'	N 32.217834	W-103.976695
BS 75@2'	N 32.217812	W-103.976712
BS 76@2'	N 32.217936	W-103.976619
BS 77@2'	N 32.217904	W-103.976625
BS 78@2'	N 32.217880	W-103.976624
BS 79@2'	N 32.217855	W-103.976623
BS 80@2'	N 32.217836	W-103.976624
BS 81@2'	N 32.217820	W-103.976626
BS 82@2'	N 32.217802	W-103.976626
BS 83@2'	N 32.217958	W-103.976552
BS 84@2'	N 32.217935	W-103.976551
BS 85@2'	N 32.217903	W-103.976547
BS 86@2'	N 32.217874	W-103.976547
BS 87@2'	N 32.217848	W-103.976546
BS 88@2'	N 32.217823	W-103.976548

BS 89@2'	N 32.217802	W-103.976550
BS 90@2'	N 32.217954	W-103.976515
BS 91@2'	N 32.217930	W-103.976497
BS 92@2'	N 32.217900	W-103.976497
BS 93@2'	N 32.217872	W-103.976492
BS 94@2'	N 32.217845	W-103.976487
BS 95@2'	N 32.217821	W-103.976485
BS 96@2'	N 32.217801	W-103.976482
BS 97@2'	N 32.217953	W-103.976452
BS 98@2'	N 32.217925	W-103.976445
BS 99@2'	N 32.217899	W-103.976439
BS 100@2'	N 32.217868	W-103.976432
BS 101@2'	N 32.217846	W-103.976423
BS 102@2'	N 32.217823	W-103.976423
BS 103@2'	N 32.217801	W-103.976421
BS 104@2'	N 32.217951	W-103.976406
BS 105@2'	N 32.217926	W-103.976403
BS 106@2'	N 32.217900	W-103.975395
BS 107@2'	N 32.217877	W-103.976399
BS 108@2'	N 32.217850	W-103.976397
BS 109@2'	N 32.217824	W-103.976384
BS 110@2'	N 32.217801	W-103.976376
BS 111@2'	N 32.217937	W-103.976348
BS 112@2'	N 32.217915	W-103.976342
BS 113@2'	N 32.217897	W-103.976343
BS 114@2'	N 32.217877	W-103.976347
BS 115@2'	N 32.217851	W-103.976340
BS 116@2'	N 32.217828	W-103.976339
BS 117@2'	N 32.217956	W-103.976284
BS 118@2'	N 32.217928	W-103.976281
BS 119@2'	N 32.21903	W-103.976280
BS 120 @2	N 32.217860	W-103.976276
BS 121@2'	N 32.217837	W-103.976278
BS 122@2'	N 32.217812	W-103.976273
BS 123@2'	N 32.217950	W-103.976228
BS 124@2'	N 32.217923	W-103.976223
BS 125@2'	N 32.217890	W-103.976224
BS126@2'	N 32.217867	W-103.976221
BS 127@2'	N 32.217844	W-103.976216
BS 128@2'	N 32.217821	W-103.976211
BS 129@2'	N 32.217797	W-103.976206
BS 130@2'	N 32.217925	W-103.976159
BS 131@2'	N 32.217870	W-103.976163
BS 132 @2	N 32.217860	W-103.976146
BS 133@2'	N 32.217839	W-103.976147
BS 134@2'	N 32.217815	W-103.976145
BS 135@2'	N 32.217797	W-103.976142

BS 136@2' N 32.217927	W-103.976090
BS 137@2' N 32.217890	W-103.976082
BS 138@2' N 32.217858	W-103.976080
BS 139@2' N 32.217837	W-103.976079
BS 140@2' N 32.217817	W-103.976084
BS 141@2' N 32.217795	W-103.976084
BS 142@2' N 32.217926	W-103.976022
BS 143@2' N 32.217872	W-103.976015
BS 144@2' N 32.217856	W-103.976012
BS 145@2' N 32.217832	W-103.976009
BS 146@2' N 32.217812	W-103.976005
BS 147@2' N 32.217921	W-103.975951
BS 148@2' N 32.217850	W-103.975950
BS 149@2' N 32.217800	W-103.975947

SIDEWALL SAMPLE POINTS

SW 1	N 32.217797	W-103.976663
SW 2	N 32.217796	W-103.976526
SW 3	N 32.217795	W-103.976442
SW 4	N 32.217790	W-103.976242
SW 5	N 32.217748	W-103.976147
SW 6	N 32.217660	W-103.976150
SW 7	N 32.217654	W-103.976268
SW 8	N 32.217663	W-103.976520
SW 9	N 32.217664	W-103.976622
SW 10	N 32.217660	W-103.976743
SW 11	N 32.217702	W-103.976799
SW 12	N 32.217879	W-103.976783
SW 13	N 32.217665	W-103.976042
SW 14	N 32.217719	W-103.975936
SW 15	N 32.217990	W-103.976191
SW 16	N 32.217989	W-103.976371
SW 17	N 32.217991	W-103.976579
SW 18	N 32.217874	W-103.976712
SW 19	N 32.217785	W-103.976028
SW 20	N 32.217875	W-103.975925
SW 21	N 32.217944	W-103.976071

[illegible]

	Sample ID	BS 19@4'	BS 20@4'	BS 21@4'	BS 22@4'	BS 23@4'	BS 24@4'	BS 25@4'	BS 26@4'	BS 27@4'	BS 28@4'	BS 29@4'	BS 30@4'	BS 31@4'	BS 32@4'	BS 33@4'	BS 34@4'	BS 35@4'	BS 36@4'
Analyte	Date	7/24/23	7/24/23	7/24/23	7/24/23	7/24/23	7/24/23	7/24/23	7/24/23	7/24/23	7/24/23	7/24/23	7/24/23	7/24/23	7/24/23	7/24/23	7/24/23	7/24/23	7/24/23
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride		208.0	304.0	480.0	272.0	144.0	464.0	320.0	272.0	192.0	112.0	288.0	400.0	272.0	192.0	256.0	224.0	272.0	736.0
GRO		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
EXT DRO		10.4	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	12.09	<10.0	<10.0	<10.0	<10.0

[illegible]

	Sample ID	BS 54@4'	BS 55@1'	BS 56@1'	BS 57@1'	BS 58@1'	BS 59@1'	BS 60@1'	BS 61@1'	BS 62@1'	BS 63@1'	BS 64@1'	BS 65@1'	BS 66@1'	BS 67@1'	BS 68@1'	BS 70@2'	BS 70A@3'	BS 71@2'
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Analyte	Date	7/24/23	7/24/23	7/24/23	7/24/23	7/24/23	7/24/23	7/24/23	7/24/23	7/24/23	7/24/23	7/24/23	7/24/23	7/24/23	7/24/23	7/24/23	7/25/23	8/9/23	7/25/23
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride		384.0	400.0	416.0	288.0	384.0	432.0	512.0	80.0	352.0	112.0	352.0	80.0	224.0	320.0	336.0	112.0	32.0	80.0
GRO		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	121	<10.0	133
EXT DRO		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	26.6	<10.0	23.7

	Sample ID	BS 71A@3'	BS 72@2'	BS 72A@3'	BS 73@2'	BS 73 A@3'	BS 74@2'	BS 74 A@3'	BS 75@2'	BS 75A@3'	BS 76@2'	BS 76A@3'	BS 77@2'	BS 77 A@3'	BS 78@2'	BS 78 A@3'	BS 79@2'	BS 79A@3'	BS 80@2'
Analyte	Date	8/9/23	7/25/23	8/9/23	7/25/23	8/9/23	7/25/23	8/9/23	7/25/23	8/9/23	7/25/23	8/9/23	7/25/23	8/9/23	7/25/23	8/9/23	7/25/23	8/9/23	7/25/23
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride		48.0	128.0	64.0	160.0	48.0	240.0	64.0	208.0	48.0	128.0	64.0	112.0	64.0	240.0	48.0	224.0	64.0	240.0
GRO		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO		<10.0	156	<10.0	185	<10.0	632	<10.0	517	<10.0	145	<10.0	132	<10.0	214	<10.0	149	<10.0	138
EXT DRO		<10.0	38.2	<10.0	52.6	<10.0	149	<10.0	124	<10.0	46.6	<10.0	33.9	<10.0	54.9	<10.0	46.2	<10.0	40.7

	Sample ID	BS 80A@3'	BS 81@2'	BS 81A@3'	BS 82@2'	BS 82A@3'	BS 83@2'	BS 83A@3'	BS 84@2'	BS 84A@3'	BS 85@2'	BS 85A@3'	BS 86@2'	BS 86A@3'	BS 87@2'	BS 87A@3'	BS 88@2'	BS 88A@3'	BS 89@2'
Analyte	Date	8/9/23	7/25/23	8/9/23	7/25/23	8/9/23	7/25/23	8/9/23	7/25/23	8/9/23	7/25/23	8/9/23	7/25/23	8/9/23	7/25/23	8/9/23	7/25/23	8/9/23	7/25/23
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride		48.0	176.0	32.0	112.0	48.0	160.0	32.0	368.0	80.0	160.0	32.0	128.0	48.0	144.0	32.0	96.0	48.0	128.0
GRO		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO		<10.0	134	<10.0	77.3	<10.0	129	<10.0	840	<10.0	159	<10.0	138	<10.0	105	<10.0	109	<10.0	135
EXT DRO		<10.0	36.1	<10.0	12.52	<10.0	22.7	<10.0	196	<10.0	36.8	<10.0	24.4	<10.0	25.7	<10.0	19.3	<10.0	26.5

	Sample ID	BS 89A@3'	BS 90@2'	BS 90A@3'	BS 91@2'	BS 91A@3'	BS 92@2'	BS 92A@3'	BS 93@2'	BS 93A@3'	BS 94@2'	BS 94A@3'	BS 95@2'	BS 95A@3'	BS 96@2'	BS 96A@3'	BS 97@2'	BS 98@2'	BS 98A@3'
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Analyte	Date	8/9/23	7/25/23	8/9/23	7/25/23	8/9/23	7/25/23	8/9/23	7/25/23	8/9/23	7/25/23	8/9/23	7/25/23	8/9/23	7/25/23	8/9/23	7/25/23	7/25/23	8/9/23
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride		32.0	96.0	32.0	96.0	32.0	256.0	48.0	144.0	32.0	144.0	48.0	112.0	32.0	224.0	48.0	128.0	80.0	48.0
GRO		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO		<10.0	114	<10.0	149	<10.0	466	<10.0	166	<10.0	130	<10.0	167	<10.0	513	<10.0	110	125	<10.0
EXT DRO		<10.0	23.4	<10.0	24.8	<10.0	92.3	<10.0	29.7	<10.0	24.3	<10.0	27.1	<10.0	98.5	<10.0	19	23.8	<10.0

	Sample ID	BS 99@2'	BS 99A@3'	BS 100@2'	BS 100A@3'	BS 101@2'	BS 101A@3'	BS 102@2'	BS 102A@3'	BS 103@2'	BS 103A@3'	BS 104@2'	BS 104A@3'	BS 105@2'	BS 105A@3'	BS 106@2'	BS 106A@3'	BS 107@2'	BS 107A@3'
Analyte	Date	7/25/23	8/9/23	7/25/23	8/9/23	7/25/23	8/9/23	7/25/23	8/9/23	7/25/23	8/9/23	7/25/23	8/10/23	7/25/23	8/10/23	7/25/23	8/10/23	7/25/23	8/9/23
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride		96.0	48.0	96.0	48.0	128.0	96.0	80.0	16.0	160.0	48.0	240.0	64.0	160.0	<16.0	80.0	32.0	160.0	32.0
GRO		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO		16.3	<10.0	140	<10.0	147	<10.0	78.8	<10.0	147	<10.0	498	<10.0	161	<10.0	126	<10.0	228	<10.0
EXT DRO		38.8	<10.0	29.4	<10.0	18.8	<10.0	24.7	<10.0	30.4	<10.0	122	<10.0	33.3	<10.0	48.7	<10.0	67.2	<10.0

	Sample ID	BS 108@2'	BS 108A@3'	BS 109@2'	BS 109A@3'	BS 110@2'	BS 110A@3'	BS 111@2'	BS 111A@3'	BS 112@2'	BS 112A@3'	BS 113@2'	BS 113A@3'	BS 114@2'	BS 114A@3'	BS 115@2'	BS 115A@3'	BS 116@2'	BS 116A@3'
Analyte	Date	7/25/23	8/9/23	7/25/23	8/9/23	7/25/23	8/9/23	7/25/23	8/9/23	7/25/23	8/9/23	7/25/23	8/9/23	7/25/23	8/9/23	7/25/23	7/25/23	7/25/23	8/9/23
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride		192.0	32.0	144.0	48.0	112.0	48.0	160.0	32.0	112.0	32.0	160.0	48.0	320.0	48.0	336.0	48.0	128.0	48.0
GRO		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO		158	<10.0	63.4	<10.0	129	<10.0	67.6	<10.0	59.9	<10.0	150	<10.0	646	<10.0	622	<10.0	99.2	<10.0
EXT DRO		54.5	<10.0	22	<10.0	24.8	<10.0	22.8	<10.0	13.4	<10.0	38.6	<10.0	161	<10.0	177	<10.0	32.5	<10.0

	Sample ID	BS 117@2'	BS 117A@3'	BS 118@2'	BS 118A@3'	BS 119@2'	BS 119A@3'	BS 120@2'	BS 120A@3'	BS 121@2'	BS 121A@3'	BS 122@2'	BS 122A@3'	BS 123@2'	BS 123A@3'	BS 124@2'	BS 124A@3'	BS 125@2'	BS 125A@3'
Analyte	Date	7/25/23	8/9/23	7/25/23	8/9/23	7/25/23	8/9/23	7/25/23	8/9/23	7/25/23	8/9/23	7/25/23	8/9/23	7/25/23	8/9/23	7/25/23	8/9/23	7/25/23	8/9/23
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride		352.0	48.0	368.0	48.0	160.0	48.0	176.0	48.0	144.0	32.0	160.0	48.0	64.0	32.0	160.0	32.0	160.0	48.0
GRO		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO		720	<10.0	655	<10.0	51.3	<10.0	54	<10.0	168	<10.0	163	<10.0	109	<10.0	127	<10.0	270	<10.0
EXT DRO		199	<10.0	189	<10.0	14.4	<10.0	13.1	<10.0	46.2	<10.0	41	<10.0	25.8	<10.0	30.4	<10.0	71.8	<10.0

	Sample ID	BS 126@2'	BS 126A@3'	BS 127@2'	BS 127A@3'	BS 128@2'	BS 128A@3'	BS 129@2'	BS 129A@3'	BS 130@2'	BS 130A@3'	BS 131@2'	BS 131A@3'	BS 132@2'	BS 132A@3'	BS 133@2'	BS 133A@3'	BS 134@2'	BS 134A@3'
Analyte	Date	7/25/23	8/9/23	7/25/23	8/9/23	7/25/23	8/9/23	7/25/23	8/9/23	7/25/23	8/9/23	7/25/23	8/9/23	7/25/23	8/9/23	7/25/23	8/9/23	7/25/23	8/9/23
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride		128.0	32.0	144.0	32.0	160.0	16.0	160.0	32.0	144.0	<16.0	128.0	32.0	224.0	16.0	176.0	<16.0	96.0	16.0
GRO		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO		222	<10.0	75.1	<10.0	221	<10.0	102	<10.0	82.3	<10.0	183	<10.0	243	<10.0	73.5	<10.0	65.4	<10.0
EXT DRO		66.5	<10.0	20.8	<10.0	60.3	<10.0	28.9	<10.0	20.8	<10.0	46.2	<10.0	67.9	<10.0	18.4	<10.0	16.4	<10.0

	Sample ID	BS 135@2'	BS 135A@3'	BS 136@2'	BS 136A@3'	BS 137@2'	BS 137A@3'	BS 138@2'	BS 138A@3'	BS 139@2'	BS 139A@3'	BS 140@2'	BS 140A@3'	BS 141@2'	BS 141A@3'	BS 142@2'	BS 142A@3'	BS 143@2'
Analyte	Date	7/25/23	8/9/23	7/25/23	8/9/23	7/25/23	8/9/23	7/25/23	8/9/23	7/25/23	8/9/23	7/25/23	8/9/23	7/25/23	8/9/23	7/25/23	8/9/23	7/25/23
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride		96.0	32.0	64.0	32.0	48.0	32.0	64.0	32.0	144.0	32.0	48.0	32.0	272.0	32.0	48.0	48.0	144.0
GRO		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	177	<10.0	<10.0	<10.0	669	<10.0	<10.0	<10.0	236
EXT DRO		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	52.2	<10.0	<10.0	<10.0	164	<10.0	<10.0	<10.0	61.8

	Sample ID	BS 143A@3'	BS 144@2'	BS 145@2'	BS 146@2'	BS 147@2'	BS 148@2'	BS 149@2'
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Analyte	Date	8/9/23	7/25/23	7/25/23	7/25/23	7/25/23	7/25/23	7/25/23
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride		48.0	64.0	96.0	80.0	48.0	64.0	80.0
GRO		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
EXT DRO		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

	Sample ID	SW 1	SW 2	SW 3	SW 4	SW 5	SW 5 A	SW 6	SW 7	SW 8	SW 9	SW 10	SW 10A	SW 11	SW 12	SW 13	SW 13A	SW 14	SW 14 A
Analyte	Date	7/25/23	7/25/23	7/25/23	7/25/23	7/25/23	7/25/23	7/25/23	7/25/23	7/25/23	7/25/23	7/25/23	7/25/23	7/25/23	7/25/23	7/25/23	7/25/23	7/25/23	7/25/23
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride		336.0	304.0	224.0	352.0	608.0	32.0	320.0	432.0	496.0	320.0	736.0	32.0	400.0	336.0	112.0	32.0	144.0	48.0
GRO		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	134	<10.0	158	<10.0
EXT DRO		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	33.1	<10.0	36.6	<10.0

	Sample ID	SW 15	SW 16	SW 17	SW 18	SW 19	SW 20	SW 20 A	SW 21	SW 21A
Analyte	Date	7/25/23	7/25/23	7/25/23	7/25/23	7/25/23	7/25/23	7/25/23	7/25/23	7/25/23
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride		96.0	80.0	96.0	96.0	128.0	144.0	64.0	208.0	48.0
GRO		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO		<10.0	<10.0	<10.0	<10.0	40.1	83.6	<10.0	105	<10.0
EXT DRO		<10.0	<10.0	<10.0	<10.0	<10.0	18.9	<10.0	26.4	<10.0



WHOMPING WILLOW CTB (11/11/22)



June 13, 2024

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



FEMA's National Flood Hazard Layer (NFHL) Viewer

with Web AppBuilder for ArcGIS



32.21759, -103.97618



Show search results for 32.21759, -10...

NFHL Print Tool

Input

Output

OutputMessage

3 There was an issue with your request. Please contact the FEMA Map Information eXchange (FMIX) Toll free: 1-877-FEMA-MAP (1-877-336-2627) FEMA-FMIX@fema.dhs.gov

OutputFile

undefined: null

600ft

-103.96432214 Degrees

App State

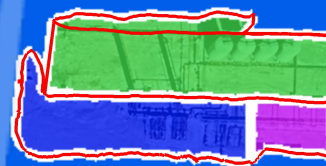
Click to restore the map extent and layers visibility where you left off.

OXY ,WHOMPING WILLOW CTB

LEAK DATE : 11/11/22
LEA COUNTY ,NM
ID# nAPP2231952023

Legend

- 1' excavation
- 2' excavation
- 4' excavation
- Leak Area
- Medium

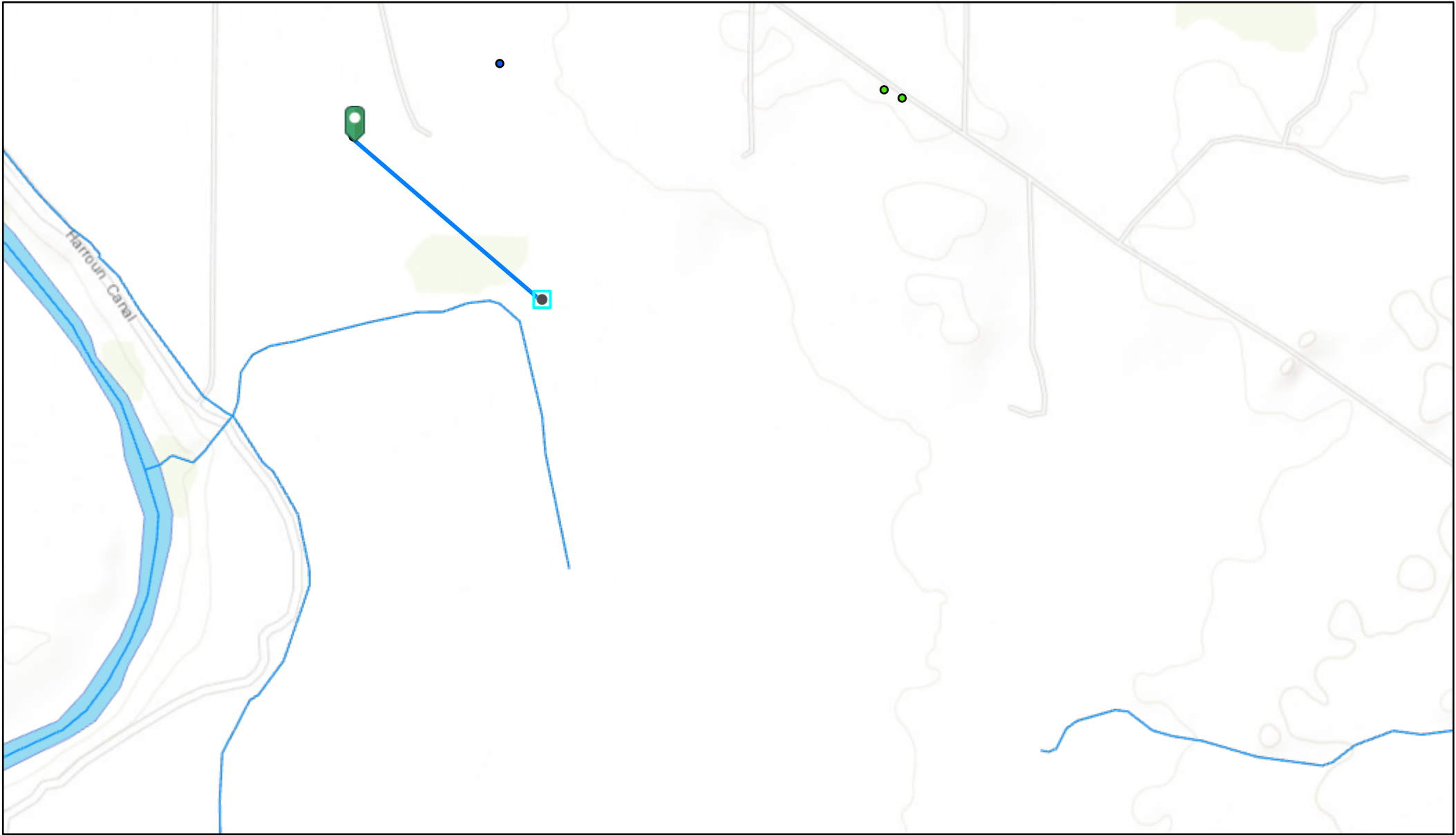


Google Earth



600 ft

OXY, WHOMPING WILLOW CTB (11/11/2022) 1.169.5 FEET OR 0.22 MILES TO WATER POD



6/13/2024, 10:54:47 AM

OSE Water PODs

● Active



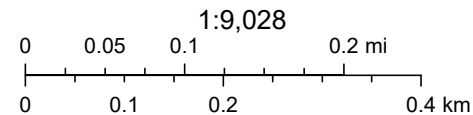
Pending



OSW Water Bodys

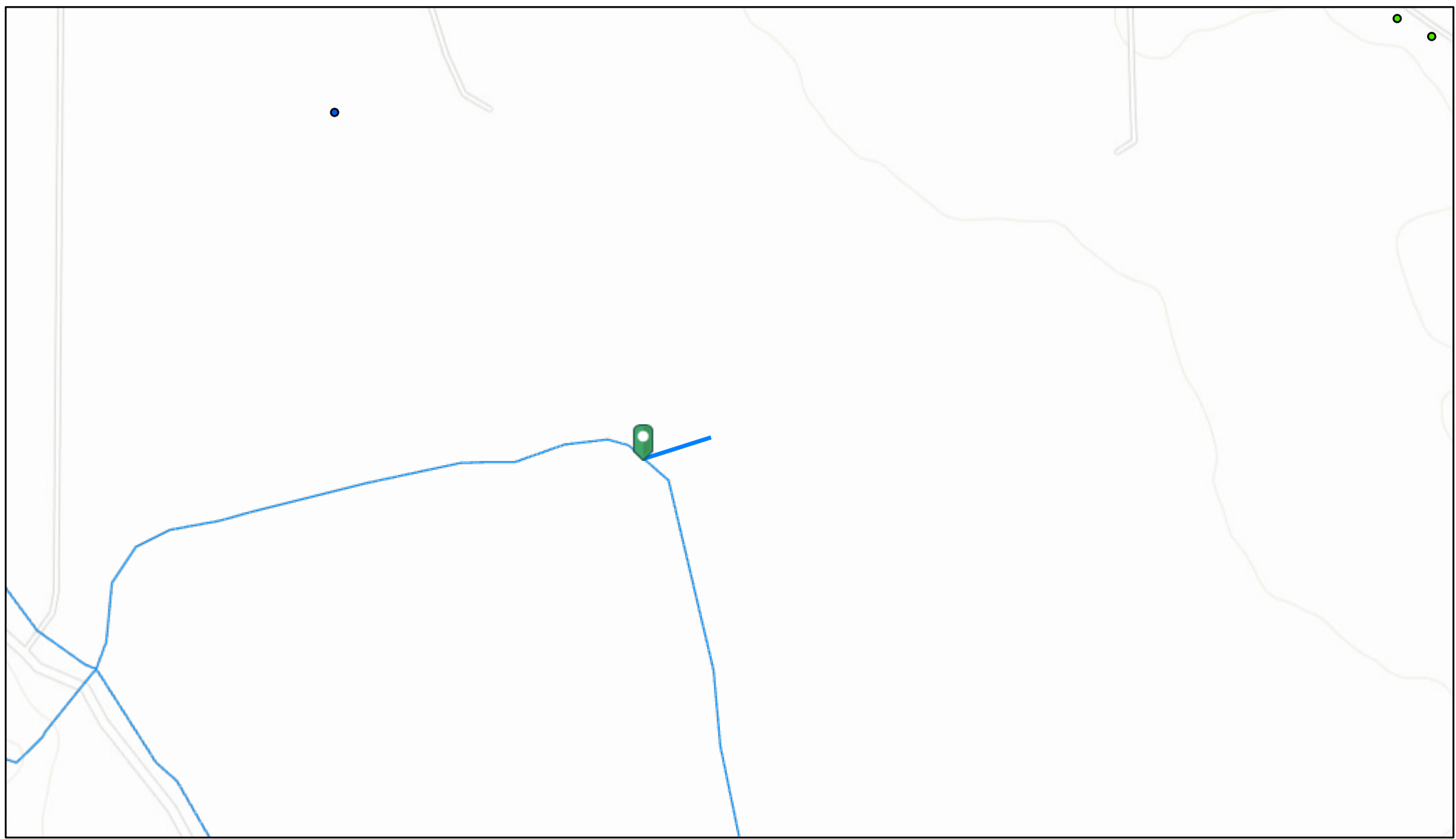


OSE Streams



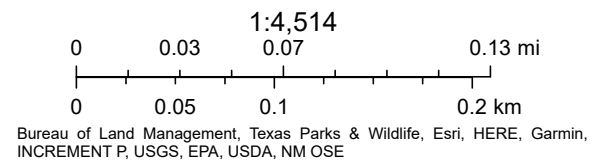
Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, Intermap, USGS, METI/NASA, EPA, USDA, NM OSE

OXY, WHOMPING WILLOW CTB (11/11/2022) 164.1 FEET OR 0.03 MILES TO WATER



6/13/2024, 10:47:05 AM

OSE Water PODs ● Pending — OSE Streams
● Active



File No. C-4778



NEW MEXICO OFFICE OF THE STATE ENGINEER

WR-07 APPLICATION FOR PERMIT TO DRILL

A WELL WITH NO WATER RIGHT

(check applicable box):

For fees, see State Engineer website: <http://www.ose.state.nm.us/>

Purpose:	<input type="checkbox"/> Pollution Control And/Or Recovery	<input type="checkbox"/> Ground Source Heat Pump
<input type="checkbox"/> Exploratory Well (Pump test)	<input type="checkbox"/> Construction Site/Public Works Dewatering	<input type="checkbox"/> Other(Describe):
<input checked="" type="checkbox"/> Monitoring Well	<input type="checkbox"/> Mine Dewatering	

A separate permit will be required to apply water to beneficial use regardless if use is consumptive or nonconsumptive.

<input type="checkbox"/> Temporary Request - Requested Start Date: 10/02/23	Requested End Date: 11/02/23
---	------------------------------

Plugging Plan of Operations Submitted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
--

1. APPLICANT(S)

Name: Oxy USA Inc.	Name: Ensolum, LLC
Contact or Agent: check here if Agent <input checked="" type="checkbox"/> Mr. Wade Dittrich	Contact or Agent: check here if Agent <input type="checkbox"/> Mr. Beaux Jennings
Mailing Address: PO Box 4294	Mailing Address: 601 N. Marienfeld Street, Ste 400
City: Houston	City: Midland
State: TX	State: TX
Zip Code: 77210	Zip Code: 79701
Phone: 575-390-2828 Phone (Work):	Phone: 210-219-8858 Phone (Work):
<input type="checkbox"/> Home <input checked="" type="checkbox"/> Cell	<input type="checkbox"/> Home <input checked="" type="checkbox"/> Cell
E-mail (optional): wade_dittrich@oxy.com	E-mail (optional): bjennings@ensolum.com

OSE DTI SEP 13 2023 AM 11:24

FOR OSE INTERNAL USE

Application for Permit, Form WR-07, Rev 11/17/16

File No.: C-4778	Trn. No.: 151694	Receipt No.: 2-46203
Trans Description (optional): MON		
Sub-Basin: CUB	PCW/LOG Due Date: 10-3-24	

Page 1 of 3

2. WELL(S) Describe the well(s) applicable to this application.

Location Required: Coordinate location must be reported in NM State Plane (NAD 83), UTM (NAD 83), or Latitude/Longitude (Lat/Long - WGS84).
District II (Roswell) and District VII (Cimarron) customers, provide a PLSS location in addition to above.

☐ NM State Plane (NAD83) (Feet) ☐ UTM (NAD83) (Meters) ☒ Lat/Long (WGS84) (to the nearest 1/10th of second)

☐ NM West Zone ☐ Zone 12N
☐ NM East Zone ☐ Zone 13N
☐ NM Central Zone

Well Number (if known):	X or Easting or Longitude:	Y or Northing or Latitude:	Provide if known: -Public Land Survey System (PLSS) (Quarters or Halves, Section, Township, Range) OR - Hydrographic Survey Map & Tract; OR - Lot, Block & Subdivision; OR - Land Grant Name
C-4778 Pod1 BMW-1	-103.979107	32.219713	SW 1/4 of NW 1/4 of S15, T24S, R29E
C-4778 Pod2 BMW-2	-103.976822	32.220675	SW 1/4 of NW 1/4 of S15, T24S, R29E

NOTE: If more well locations need to be described, complete form WR-08 (Attachment 1 – POD Descriptions)
Additional well descriptions are attached: ☐ Yes ☒ No If yes, how many _____

Other description relating well to common landmarks, streets, or other:
Monitoring wells will be installed to gather background water quality data.

Well is on land owned by: Private (Oxy USA Inc.)

Well Information: NOTE: If more than one (1) well needs to be described, provide attachment. Attached? ☐ Yes ☒ No
If yes, how many _____

Approximate depth of well (feet): 40 Outside diameter of well casing (inches): 2

Driller Name: Envirotech Drilling & Environmental Services Driller License Number: 1757

3. ADDITIONAL STATEMENTS OR EXPLANATIONS

The two background monitoring wells will be installed to a depth of approximately 40' below ground surface. The wells will be developed and subsequently sampled to gather background water quality data. Once sampling is complete, the background monitoring wells will be plugged and abandon in accordance with the associated Well Plugging Plan of Operations.

OSE DIT SEP 13 2023 AM 11:24

FOR OSE INTERNAL USE

Application for Permit, Form WR-07

File No.:

C-4778

Trn No.:

751694

Page 2 of 3

4. SPECIFIC REQUIREMENTS: The applicant must include the following, as applicable to each well type. Please check the appropriate boxes, to indicate the information has been included and/or attached to this application:

Exploratory: <input type="checkbox"/> Include a description of any proposed pump test, if applicable.	Pollution Control and/or Recovery: <input type="checkbox"/> Include a plan for pollution control/recovery, that includes the following: <input type="checkbox"/> A description of the need for the pollution control or recovery operation. <input type="checkbox"/> The estimated maximum period of time for completion of the operation. <input type="checkbox"/> The annual diversion amount. <input type="checkbox"/> The annual consumptive use amount. <input type="checkbox"/> The maximum amount of water to be diverted and injected for the duration of the operation. <input type="checkbox"/> The method and place of discharge.	Construction De-Watering: <input type="checkbox"/> Include a description of the proposed dewatering operation, <input type="checkbox"/> The estimated duration of the operation, <input type="checkbox"/> The maximum amount of water to be diverted, <input type="checkbox"/> A description of the need for the dewatering operation, and, <input type="checkbox"/> A description of how the diverted water will be disposed of.	Mine De-Watering: <input type="checkbox"/> Include a plan for pollution control/recovery, that includes the following: <input type="checkbox"/> A description of the need for mine dewatering. <input type="checkbox"/> The estimated maximum period of time for completion of the operation. <input type="checkbox"/> The source(s) of the water to be diverted. <input type="checkbox"/> The geohydrologic characteristics of the aquifer(s). <input type="checkbox"/> The maximum amount of water to be diverted per annum. <input type="checkbox"/> The maximum amount of water to be diverted for the duration of the operation. <input type="checkbox"/> The quality of the water.
Monitoring: <input checked="" type="checkbox"/> Include the reason for the monitoring well, and, <input checked="" type="checkbox"/> The duration of the planned monitoring.	<input type="checkbox"/> The method of measurement of water produced and discharged. <input type="checkbox"/> The source of water to be injected. <input type="checkbox"/> The method of measurement of water injected. <input type="checkbox"/> The characteristics of the aquifer. <input type="checkbox"/> The method of determining the resulting annual consumptive use of water and depletion from any related stream system. <input type="checkbox"/> Proof of any permit required from the New Mexico Environment Department. <input type="checkbox"/> An access agreement if the applicant is not the owner of the land on which the pollution plume control or recovery well is to be located.	Ground Source Heat Pump: <input type="checkbox"/> Include a description of the geothermal heat exchange project, <input type="checkbox"/> The number of boreholes for the completed project and required depths. <input type="checkbox"/> The time frame for constructing the geothermal heat exchange project, and, <input type="checkbox"/> The duration of the project. <input type="checkbox"/> Preliminary surveys, design data, and additional information shall be included to provide all essential facts relating to the request.	<input type="checkbox"/> The method of measurement of water diverted. <input type="checkbox"/> The recharge of water to the aquifer. <input type="checkbox"/> Description of the estimated area of hydrologic effect of the project. <input type="checkbox"/> The method and place of discharge. <input type="checkbox"/> An estimation of the effects on surface water rights and underground water rights from the mine dewatering project. <input type="checkbox"/> A description of the methods employed to estimate effects on surface water rights and underground water rights. <input type="checkbox"/> Information on existing wells, rivers, springs, and wetlands within the area of hydrologic effect.

ACKNOWLEDGEMENT

I, We (name of applicant(s)), Beaux Jennings, Wade Dittrich

Print Name(s)

affirm that the foregoing statements are true to the best of (my, our) knowledge and belief.

Beaux Jennings Digitally signed by Beaux Jennings
Date: 2023.09.05 16:26:23 -05'00'

Applicant Signature

Applicant Signature

ACTION OF THE STATE ENGINEER

This application is:

☒ approved

☐ partially approved

☐ denied

provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare and further subject to the attached conditions of approval.

Witness my hand and seal this 3rd day of October 2023, for the State Engineer,

Mike A. Hamman, P.E. State Engineer

By:

Signature

K. Parekh

Print

Kashyap Parekh

Title:

Print

Water Resources Manager I

FOR OSE INTERNAL USE

Application for Permit, Form WR-07

File No.:

C-4778

Trn No.:

751964

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OSE DTI SEP 13 2023 AM 11:25

**NEW MEXICO STATE ENGINEER OFFICE
PERMIT TO EXPLORE**

SPECIFIC CONDITIONS OF APPROVAL

- 17-16 Construction of a water well by anyone without a valid New Mexico Well Driller License is illegal, and the landowner shall bear the cost of plugging the well by a licensed New Mexico well driller. This does not apply to driven wells, the casing of which does not exceed two and three-eighths inches outside diameter.
- 17-1A Depth of the well shall not exceed the thickness of the valley fill.
- 17-4 No water shall be appropriated and beneficially used under this permit.
- 17-6 The well authorized by this permit shall be plugged completely using the following method per Rules and Regulations Governing Well Driller Licensing, Construction, Repair and Plugging of Wells; Subsection C of 19.27.4.30 NMAC unless an alternative plugging method is proposed by the well owner and approved by the State Engineer upon completion of the permitted use. All pumping appurtenance shall be removed from the well prior to plugging. To plug a well, the entire well shall be filled from the bottom upwards to ground surface using a tremie pipe. The bottom of the tremie shall remain submerged in the sealant throughout the entire sealing process; other placement methods may be acceptable and approved by the state engineer. The well shall be plugged with an office of the state engineer approved sealant for use in the plugging of non-artesian wells. The well driller shall cut the casing off at least four (4) feet below ground surface and fill the open hole with at least two vertical feet of approved sealant. The driller must fill or cover any open annulus with sealant. Once the sealant has cured, the well driller or well owner may cover the seal with soil. A Plugging Report for said well shall be filed with the Office of the State Engineer in a District Office within 30 days of completion of the plugging.

Trn Desc: C 04778 POD1-2

File Number: C 04778

Trn Number: 751694

page: 1

**NEW MEXICO STATE ENGINEER OFFICE
PERMIT TO EXPLORE**

SPECIFIC CONDITIONS OF APPROVAL (Continued)

- 17-7 The Permittee shall utilize the highest and best technology available to ensure conservation of water to the maximum extent practical.
- 17-B The well shall be drilled by a driller licensed in the State of New Mexico in accordance with 72-12-12 NMSA 1978. A licensed driller shall not be required for the construction of a well driven without the use of a drill rig, provided that the casing shall not exceed two and three-eighths (2 3/8) inches outside diameter.
- 17-C The well driller must file the well record with the State Engineer and the applicant within 30 days after the well is drilled or driven. It is the well owner's responsibility to ensure that the well driller files the well record.
The well driller may obtain the well record form from any District Office or the Office of the State Engineer website.
- 17-P The well shall be constructed, maintained, and operated to prevent inter-aquifer exchange of water and to prevent loss of hydraulic head between hydrogeologic zones.
- 17-Q The State Engineer retains jurisdiction over this permit.
- 17-R Pursuant to section 72-8-1 NMSA 1978, the permittee shall allow the State Engineer and OSE representatives entry upon private property for the performance of their respective duties, including access to the ditch or acequia to measure flow and also to the well for meter reading and water level measurement.

Trn Desc: C 04778 POD1-2

File Number: C 04778

Trn Number: 751694

page: 2

NEW MEXICO STATE ENGINEER OFFICE
PERMIT TO EXPLORE

SPECIFIC CONDITIONS OF APPROVAL (Continued)

LOG The Point of Diversion C 04778 POD1 must be completed and the Well Log filed on or before 10/02/2024.

LOG The Point of Diversion C 04778 POD2 must be completed and the Well Log filed on or before 10/02/2024.

IT IS THE PERMITTEE'S RESPONSIBILITY TO OBTAIN ALL AUTHORIZATIONS AND PERMISSIONS TO DRILL ON PROPERTY OF OTHER OWNERSHIP BEFORE COMMENCING ACTIVITIES UNDER THIS PERMIT.

ACTION OF STATE ENGINEER

Notice of Intention Rcvd:	Date Rcvd. Corrected:
Formal Application Rcvd: 09/13/2023	Pub. of Notice Ordered:
Date Returned - Correction:	Affidavit of Pub. Filed:

This application is approved provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare of the state; and further subject to the specific conditions listed previously.

Witness my hand and seal this 03 day of Oct A.D., 2023

Mike A. Hamman, P.E. _____, State Engineer

By: K. Parekh
KASHYAP PAREKH

Trn Desc: C 04778 POD1-2

File Number: C 04778

Trn Number: 751694

Mike A. Hamman, P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

**STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 751694
File Nbr: C 04778

Oct. 03, 2023

WADE DITTRICH
OXY USA INC.
P.O. BOX 4294
HOUSTON, TX 77210

Greetings:

Your approved copy of the above numbered permit to drill a well for non-consumptive purposes is enclosed. You must obtain an additional permit if you intend to use the water. It is your responsibility to provide the contracted well driller with a copy of the permit that must be made available during well drilling activities.

Carefully review the attached conditions of approval for all specific permit requirements.

- * If use of this well is temporary in nature and the well will be plugged at the end of the well usage, the OSE must initially approve of the plugging. If plugging approval is not conditioned in this permit, the applicant must submit a Plugging Plan of Operations for approval prior to the well being plugged. The Plugging Record must be properly completed and submitted to the OSE within 30 days of the well plugging.
- * If the final intended purpose and condition requires a well ID tag and meter installation, the applicant must immediately send a completed meter report form to this office.
- * The well record and log must be submitted within 30 days of the completion of the well or if the attempt was a dry hole.
- * This permit expires and will be cancelled if no well is drilled and/or a well log is not received by the date set forth in the conditions of approval.

Appropriate forms can be downloaded from the OSE website www.ose.state.nm.us.

Sincerely,

A handwritten signature in cursive script that reads "Vanessa Clements".

Vanessa Clements
(575) 622-6521

Enclosure

explore



Mike A. Hamman, P.E.
State Engineer

Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

**STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 751694
File Nbr: C 04778

Oct. 03, 2023

BEAUX JENNINGS
ENSOLUM, LLC
601 N. MARIENFIELD ST, STE 400
MIDLAND, TX 79701

Greetings:

Your approved copy of the above numbered permit to drill a well for non-consumptive purposes is enclosed. You must obtain an additional permit if you intend to use the water. It is your responsibility to provide the contracted well driller with a copy of the permit that must be made available during well drilling activities.

Carefully review the attached conditions of approval for all specific permit requirements.

- * If use of this well is temporary in nature and the well will be plugged at the end of the well usage, the OSE must initially approve of the plugging. If plugging approval is not conditioned in this permit, the applicant must submit a Plugging Plan of Operations for approval prior to the well being plugged. The Plugging Record must be properly completed and submitted to the OSE within 30 days of the well plugging.
- * If the final intended purpose and condition requires a well ID tag and meter installation, the applicant must immediately send a completed meter report form to this office.
- * The well record and log must be submitted within 30 days of the completion of the well or if the attempt was a dry hole.
- * This permit expires and will be cancelled if no well is drilled and/or a well log is not received by the date set forth in the conditions of approval.

Appropriate forms can be downloaded from the OSE website www.ose.state.nm.us.

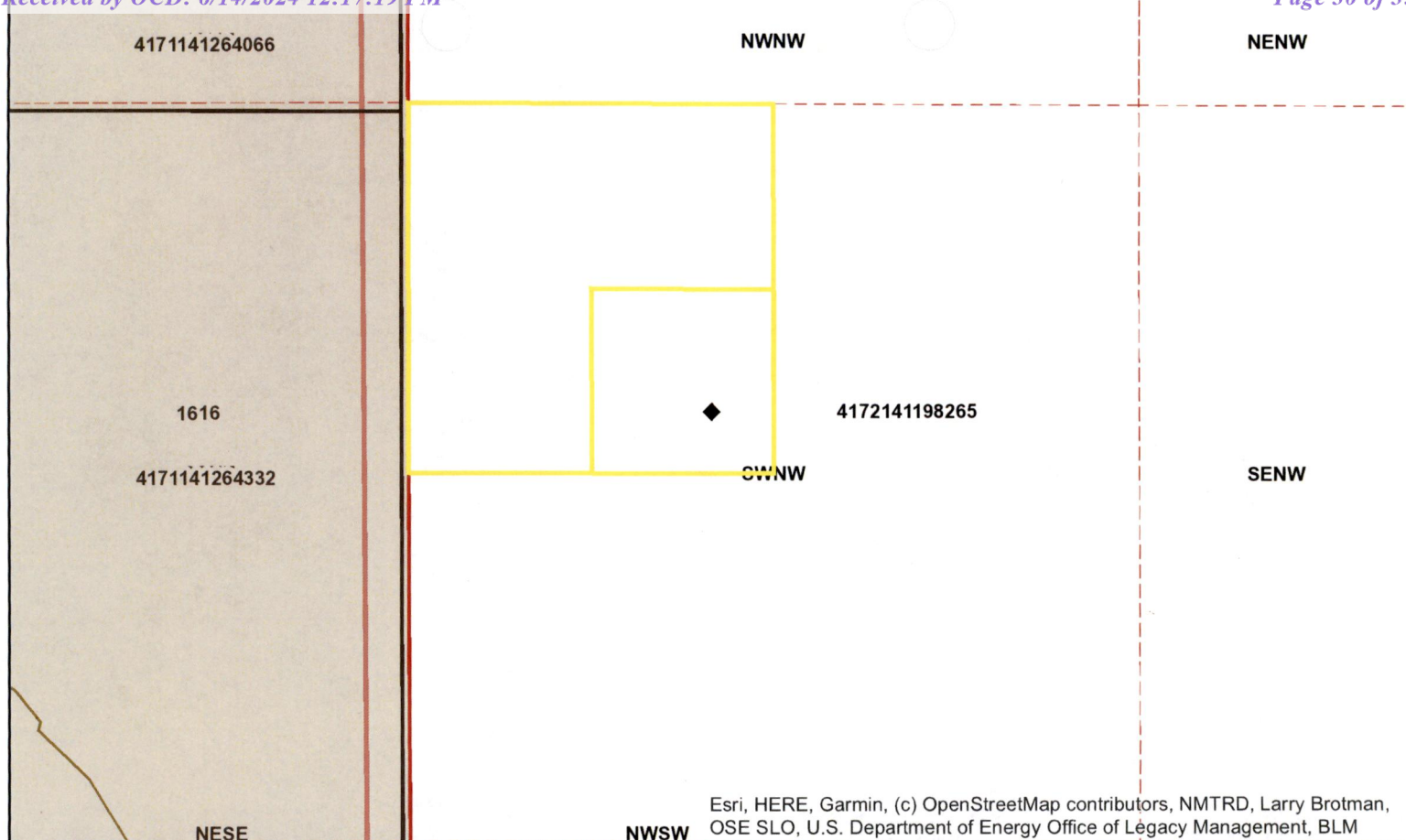
Sincerely,

A handwritten signature in cursive script, reading "Vanessa Clements".

Vanessa Clements
(575) 622-6521

Enclosure

explore

**Coordinates****UTM - NAD 83 (m) - Zone 13**

Easting 596201.231

Northing 3565246.041

State Plane - NAD 83 (f) - Zone E

Easting 650883.942

Northing 443844.110

Degrees Minutes Seconds

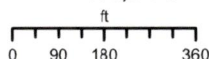
Latitude 32 : 13 : 10.966800

Longitude -103 : 58 : 44.785200

Location pulled from Coordinate Search

**NEW MEXICO OFFICE
OF THE
STATE ENGINEER**

1:4,514



N



10/3/2023



Reasonable efforts have been made by the New Mexico Office of the State Engineer (OSE) to verify that these maps accurately interpret the source data used in their preparation; however, a degree of error is inherent in all maps, and these maps may contain omissions and errors in scale, resolution, rectification, positional accuracy, development methodology, interpretation of source data, and other circumstances. These maps are distributed "as is" without warranty of any kind.

Spatial Information**County:** Eddy**Groundwater Basin:** Carlsbad**Abstract Area:** Carlsbad 72-12-1**Land Grant:** New Mexico Underground Basin**Restrictions:**

NA

PLSS Description**SENWSWNW Qtr of Sec 15 of 024S 029E**

Derived from CADNSDI- Qtr Sec. locations are calculated and are only approximations

Parcel Information**UPC/DocNum:** 4172141198265**Parcel Owner:** Oxy Usa Inc**Address:** E Of Dog Town Road Carlsbad 88220**Legal:** Quarter: Ne S: 15 T: 24S R: 29E W2Ne, , Quarter:

Nw S: 15 T: 24S R: 29E All, Quarter: Sw S: 15 T:

24S R: 29E All, Quarter: Se S: 15 T: 24S R: 29E

W2Se, ,

POD Information**Owner:****File Number:****POD Status:** NoData**Permit Status:** NoData**Permit Use:** NoData**Purpose:**

Calculated PLSS

Coord Search Location

OSE District Boundary

New Mexico State Trust Lands

Subsurface Estate

NHD Flowlines

Canal Ditch



Bernalillo County Parcels 2023



Catron County Parcels 2023



Chaves County Parcels 2023



Cibola County Parcels 2023



Colfax County Parcels 2023



Curry County Parcels 2023



De Baca County Parcels 2023



Doña Ana County Parcels 2023



Eddy County Parcels 2023



Grant County Parcels 2023



Guadalupe County Parcels 2023



Luna County Parcels 2023



Harding County Parcels 2023



Hidalgo County Parcel 2023



Lea County Parcels 2023



Lincoln County Parcels 2023



Los Alamos County Parcels 2023



Luna County Parcels 2023



McKinley County Parcels 2023



Mora County Parcels 2023



Otero County Parcels 2023



Quay County Parcels 2023



Rio Arriba County Parcels 2023



Santa Fe County Parcels 2023



Sandoval County Parcels 2023



San Juan County Parcels 2023



San Miguel County Parcels 2023



Taos County Parcels 2023



Torrance County Parcels 2023



Santa Fe County Parcels 2023



Sierra County Parcels 2023



Socorro County Parcels 2023



Taos County Parcels 2023



Torrance County Parcels 2023

NENE

NWNW

NENW

41721 ◆ 98265

SENE

4171141264332

SWNW

SENW

Esri, HERE, Garmin, (c) OpenStreetMap contributors, NMTRD, Larry Brotman, OSE/SLO, U.S. Department of Energy Office of Legacy Management, BLM

Coordinates**UTM - NAD 83 (m) - Zone 13**

Easting 596415.545

Northing 3565354.731

State Plane - NAD 83 (f) - Zone E

Easting 651589.416

Northing 444196.406

Degrees Minutes Seconds

Latitude 32 : 13 : 14.430000

Longitude -103 : 58 : 36.559200

Location pulled from Coordinate Search

**NEW MEXICO OFFICE
OF THE
STATE ENGINEER**

1:4,514

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0 90 180 360

10/3/2023



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Spatial Information**County:** Eddy**Groundwater Basin:** Carlsbad**Abstract Area:** Carlsbad 72-12-1**Land Grant:** Northern Underground Basin**Restrictions:**

NA

PLSS Description**NENESWNW Qtr of Sec 15 of 024S 029E**

Derived from CADNSDI- Qtr Sec. locations are calculated and are only approximations

Parcel Information**UPC/DocNum:** 4172141198265**Parcel Owner:** Oxy Usa Inc**Address:** E Of Dog Town Road Carlsbad 88220**Legal:** Quarter: Ne S: 15 T: 24S R: 29E W2Ne, , Quarter: Nw S: 15 T: 24S R: 29E All, Quarter: Sw S: 15 T: 24S R: 29E All, Quarter: Se S: 15 T: 24S R: 29E W2Se ,**POD Information****Owner:****File Number:****POD Status:** NoData**Permit Status:** NoData**Permit Use:** NoData**Purpose:**Calculated
PLSS◆ Coord Search
LocationOSE District
Boundary**New Mexico State
Trust Lands**Subsurface
EstateBernalillo
County Parcels
2023☐ Catron County
Parcels 2023☐ Chaves County
Parcels 2023☐ Cibola County
Parcels 2023☐ Colfax County
Parcels 2023☐ Curry County
Parcels 2023☐ De Baca
County Parcels
2023☐ Doña Ana
County Parcels
2023☐ Eddy County
Parcels 2023☐ Grant County
Parcels 2023☐ Guadalupe
County Parcels
2023☐ Harding County
Parcels 2023☐ Hidalgo County
Parcels 2023☐ Lea County
Parcels 2023☐ Lincoln County
Parcels 2023☐ Los Alamos
County Parcels
2023☐ Luna County
Parcels 2023☐ McKinley
County Parcels
2023☐ Mora County
Parcels 2023☐ Otero County
Parcels 2023☐ Quay County
Parcels 2023☐ Rio Arriba
County Parcels
2023☐ Roosevelt
County Parcels
2023☐ Sandoval
County Parcels
2023☐ San Juan
County Parcels
2023☐ San Miguel
County Parcels
2023☐ Santa Fe
County Parcels
2023☐ Sierra County
Parcels 2023☐ Socorro County
Parcels 2023☐ Taos County
Parcels 2023☐ Torrance
County Parcels
2023☐ Union County
Parcels 2023☐ Valencia County
Parcels 2023☒ Site Boundaries



OXY-WHOMPING WILLOW CTB (11/11/22)





OXY-WHOMPING WILLOW CTB (11/11/22)





OXY-WHOMPING WILLOW CTB (11/11/22)





OXY-WHOMPING WILLOW CTB (11/11/22)





OXY-WHOMPING WILLOW CTB (11/11/22)





OXY-WHOMPING WILLOW CTB (11/11/22)





OXY-WHOMPING WILLOW CTB (11/11/22)





OXY-WHOMPING WILLOW CTB (11/11/22)





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OXY-WHOMPING WILLOW CTB (11/11/22)



OXY-WHOMPING WILLOW CTB (11/11/22)



OXY-WHOMPING WILLOW CTB (11/11/22)





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

July 12, 2023

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: WHOMPING WILLOW CTB 11-11-22

Enclosed are the results of analyses for samples received by the laboratory on 07/11/23 10:50.

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:	07/11/2023	Sampling Date:	07/10/2023
Reported:	07/12/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 1 @ 2' (H233520-01)

BTX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2023	ND	2.10	105	2.00	11.8	
Toluene*	<0.050	0.050	07/12/2023	ND	2.09	104	2.00	12.1	
Ethylbenzene*	<0.050	0.050	07/12/2023	ND	2.01	100	2.00	13.1	
Total Xylenes*	<0.150	0.150	07/12/2023	ND	6.21	104	6.00	12.3	
Total BTX	<0.300	0.300	07/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	07/12/2023	ND	416	104	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/11/2023	ND	200	100	200	7.77	
DRO >C10-C28*	110	10.0	07/11/2023	ND	200	100	200	7.51	
EXT DRO >C28-C36	26.8	10.0	07/11/2023	ND					

Surrogate: 1-Chlorooctane 99.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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:	07/11/2023	Sampling Date:	07/10/2023
Reported:	07/12/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 1 @ 3' (H233520-02)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2023	ND	2.10	105	2.00	11.8	
Toluene*	<0.050	0.050	07/12/2023	ND	2.09	104	2.00	12.1	
Ethylbenzene*	<0.050	0.050	07/12/2023	ND	2.01	100	2.00	13.1	
Total Xylenes*	<0.150	0.150	07/12/2023	ND	6.21	104	6.00	12.3	
Total BTEx	<0.300	0.300	07/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	07/12/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/11/2023	ND	200	100	200	7.77	
DRO >C10-C28*	195	10.0	07/11/2023	ND	200	100	200	7.51	
EXT DRO >C28-C36	54.5	10.0	07/11/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	07/11/2023	Sampling Date:	07/10/2023
Reported:	07/12/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 1 @ 4' (H233520-03)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2023	ND	2.10	105	2.00	11.8	
Toluene*	<0.050	0.050	07/12/2023	ND	2.09	104	2.00	12.1	
Ethylbenzene*	<0.050	0.050	07/12/2023	ND	2.01	100	2.00	13.1	
Total Xylenes*	<0.150	0.150	07/12/2023	ND	6.21	104	6.00	12.3	
Total BTEX	<0.300	0.300	07/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1880	16.0	07/12/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/11/2023	ND	200	100	200	7.77	
DRO >C10-C28*	<10.0	10.0	07/11/2023	ND	200	100	200	7.51	
EXT DRO >C28-C36	<10.0	10.0	07/11/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	07/11/2023	Sampling Date:	07/10/2023
Reported:	07/12/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 2 @ 2' (H233520-04)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2023	ND	2.10	105	2.00	11.8	
Toluene*	<0.050	0.050	07/12/2023	ND	2.09	104	2.00	12.1	
Ethylbenzene*	<0.050	0.050	07/12/2023	ND	2.01	100	2.00	13.1	
Total Xylenes*	<0.150	0.150	07/12/2023	ND	6.21	104	6.00	12.3	
Total BTEX	<0.300	0.300	07/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	07/12/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/11/2023	ND	200	100	200	7.77	
DRO >C10-C28*	82.2	10.0	07/11/2023	ND	200	100	200	7.51	
EXT DRO >C28-C36	20.8	10.0	07/11/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	07/11/2023	Sampling Date:	07/10/2023
Reported:	07/12/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 2 @ 3' (H233520-05)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2023	ND	2.10	105	2.00	11.8	
Toluene*	<0.050	0.050	07/12/2023	ND	2.09	104	2.00	12.1	
Ethylbenzene*	<0.050	0.050	07/12/2023	ND	2.01	100	2.00	13.1	
Total Xylenes*	<0.150	0.150	07/12/2023	ND	6.21	104	6.00	12.3	
Total BTEX	<0.300	0.300	07/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	07/12/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/11/2023	ND	200	100	200	7.77	
DRO >C10-C28*	162	10.0	07/11/2023	ND	200	100	200	7.51	
EXT DRO >C28-C36	46.6	10.0	07/11/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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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:	07/11/2023	Sampling Date:	07/10/2023
Reported:	07/12/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 2 @ 4' (H233520-06)

BTX 8021B			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/12/2023	ND	2.10	105	2.00	11.8		
Toluene*	<0.050	0.050	07/12/2023	ND	2.09	104	2.00	12.1		
Ethylbenzene*	<0.050	0.050	07/12/2023	ND	2.01	100	2.00	13.1		
Total Xylenes*	<0.150	0.150	07/12/2023	ND	6.21	104	6.00	12.3		
Total BTX	<0.300	0.300	07/12/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B			mg/kg							
			Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1880	16.0	07/12/2023	ND	416	104	400	0.00		

TPH 8015M			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/12/2023	ND	200	100	200	7.77		
DRO >C10-C28*	<10.0	10.0	07/12/2023	ND	200	100	200	7.51		
EXT DRO >C28-C36	<10.0	10.0	07/12/2023	ND						

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 135 % 49.1-148

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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:	07/11/2023	Sampling Date:	07/10/2023
Reported:	07/12/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 3 @ 2' (H233520-07)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2023	ND	2.10	105	2.00	11.8	
Toluene*	<0.050	0.050	07/12/2023	ND	2.09	104	2.00	12.1	
Ethylbenzene*	<0.050	0.050	07/12/2023	ND	2.01	100	2.00	13.1	
Total Xylenes*	<0.150	0.150	07/12/2023	ND	6.21	104	6.00	12.3	
Total BTEX	<0.300	0.300	07/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	576	16.0	07/11/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2023	ND	200	100	200	7.77	
DRO >C10-C28*	267	10.0	07/12/2023	ND	200	100	200	7.51	
EXT DRO >C28-C36	85.5	10.0	07/12/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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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:	07/11/2023	Sampling Date:	07/10/2023
Reported:	07/12/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 3 @ 3' (H233520-08)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2023	ND	2.10	105	2.00	11.8	
Toluene*	<0.050	0.050	07/12/2023	ND	2.09	104	2.00	12.1	
Ethylbenzene*	<0.050	0.050	07/12/2023	ND	2.01	100	2.00	13.1	
Total Xylenes*	<0.150	0.150	07/12/2023	ND	6.21	104	6.00	12.3	
Total BTEX	<0.300	0.300	07/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	07/12/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2023	ND	200	100	200	7.77	
DRO >C10-C28*	112	10.0	07/12/2023	ND	200	100	200	7.51	
EXT DRO >C28-C36	28.4	10.0	07/12/2023	ND					

Surrogate: 1-Chlorooctane 97.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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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:	07/11/2023	Sampling Date:	07/10/2023
Reported:	07/12/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 3 @ 4' (H233520-09)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/12/2023	ND	2.10	105	2.00	11.8		
Toluene*	<0.050	0.050	07/12/2023	ND	2.09	104	2.00	12.1		
Ethylbenzene*	<0.050	0.050	07/12/2023	ND	2.01	100	2.00	13.1		
Total Xylenes*	<0.150	0.150	07/12/2023	ND	6.21	104	6.00	12.3		
Total BTEX	<0.300	0.300	07/12/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2000	16.0	07/12/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2023	ND	200	100	200	7.77	
DRO >C10-C28*	<10.0	10.0	07/12/2023	ND	200	100	200	7.51	
EXT DRO >C28-C36	<10.0	10.0	07/12/2023	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 154 % 49.1-148

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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
- Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.		BILL TO		ANALYSIS REQUEST									
Project Manager: Cliff Brunson		P.O. #:											
Address: P.O. Box 805		Company: Oxy											
City: Hobbs		Attn:											
State: NM Zip: 88241		Address:											
Phone #: 575-397-6388 Fax #: 575-397-0397		City:											
Project #:		State:											
Project Name: Whomping Willow CTB - 11-11-22		Zip:											
Project Location: New Mexico		Phone #:											
Sampler Name: Roger Hernandez		Fax #:											
<small>FOR LAB USE ONLY</small>													
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			
H233530		SP102-		✓		1		7.10.23		100		✓	
1		SP102-		✓		1		7.10.23		110		✓	
2		SP102-		✓		1		7.10.23		120		✓	
3		SP202-		✓		1		7.10.23		130		✓	
4		SP202-		✓		1		7.10.23		140		✓	
5		SP202-		✓		1		7.10.23		150		✓	
6		SP302-		✓		1		7.10.23		200		✓	
7		SP302-		✓		1		7.10.23		210		✓	
8		SP302-		✓		1		7.10.23		220		✓	
9		SP302-		✓		1		7.10.23		220		✓	
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Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23		Time: 5:00		Time: 1650		Time: 1650	
Relinquished By:		Date: 7.10.23		Received By:		Date: 7.11.23							



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

August 04, 2023

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: WHOMPING WILLOW CTB 11-11-22

Enclosed are the results of analyses for samples received by the laboratory on 07/27/23 16:08.

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 style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 1 @ 4' (H233975-01)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	2.13	106	2.00	2.68		
Toluene*	<0.050	0.050	08/03/2023	ND	2.06	103	2.00	3.01		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	1.97	98.4	2.00	2.46		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	5.92	98.6	6.00	2.72		
Total BTEX	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	08/02/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	182	90.8	200	1.01	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	201	100	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 83.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.8 % 49.1-148

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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:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 2 @ 4' (H233975-02)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	2.13	106	2.00	2.68		
Toluene*	<0.050	0.050	08/03/2023	ND	2.06	103	2.00	3.01		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	1.97	98.4	2.00	2.46		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	5.92	98.6	6.00	2.72		
Total BTEX	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	08/02/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	182	90.8	200	1.01	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	201	100	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 97.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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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:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 3 @ 4' (H233975-03)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	2.13	106	2.00	2.68		
Toluene*	<0.050	0.050	08/03/2023	ND	2.06	103	2.00	3.01		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	1.97	98.4	2.00	2.46		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	5.92	98.6	6.00	2.72		
Total BTEX	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	08/02/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	182	90.8	200	1.01	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	201	100	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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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:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 4 @ 4' (H233975-04)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	2.13	106	2.00	2.68		
Toluene*	<0.050	0.050	08/03/2023	ND	2.06	103	2.00	3.01		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	1.97	98.4	2.00	2.46		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	5.92	98.6	6.00	2.72		
Total BTEX	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	08/02/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	182	90.8	200	1.01		
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	201	100	200	4.80		
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND						

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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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:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 5 @ 4' (H233975-05)

BTEx 8021B			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	2.13	106	2.00	2.68		
Toluene*	<0.050	0.050	08/03/2023	ND	2.06	103	2.00	3.01		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	1.97	98.4	2.00	2.46		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	5.92	98.6	6.00	2.72		
Total BTEX	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 71.5-134

Chloride, SM4500Cl-B			mg/kg							
			Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	08/02/2023	ND	416	104	400	0.00		

TPH 8015M			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	182	90.8	200	1.01		
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	201	100	200	4.80		
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND						

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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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:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 6 @ 4' (H233975-06)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.13	106	2.00	2.68	
Toluene*	<0.050	0.050	08/03/2023	ND	2.06	103	2.00	3.01	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	1.97	98.4	2.00	2.46	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	5.92	98.6	6.00	2.72	
Total BTEX	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	08/02/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	182	90.8	200	1.01	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	201	100	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 97.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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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:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 7 @ 4' (H233975-07)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	2.13	106	2.00	2.68		
Toluene*	<0.050	0.050	08/03/2023	ND	2.06	103	2.00	3.01		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	1.97	98.4	2.00	2.46		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	5.92	98.6	6.00	2.72		
Total BTEX	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	08/02/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	182	90.8	200	1.01	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	201	100	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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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:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 8 @ 4' (H233975-08)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	2.13	106	2.00	2.68		
Toluene*	<0.050	0.050	08/03/2023	ND	2.06	103	2.00	3.01		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	1.97	98.4	2.00	2.46		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	5.92	98.6	6.00	2.72		
Total BTEX	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	08/02/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	182	90.8	200	1.01	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	201	100	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 87.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.5 % 49.1-148

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Analytical Results For:

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Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 9 @ 4' (H233975-09)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.13	106	2.00	2.68	
Toluene*	<0.050	0.050	08/03/2023	ND	2.06	103	2.00	3.01	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	1.97	98.4	2.00	2.46	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	5.92	98.6	6.00	2.72	
Total BTEX	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	08/02/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	182	90.8	200	1.01	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	201	100	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 94.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Analytical Results For:

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Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 10 @ 4' (H233975-10)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.13	106	2.00	2.68	
Toluene*	<0.050	0.050	08/03/2023	ND	2.06	103	2.00	3.01	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	1.97	98.4	2.00	2.46	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	5.92	98.6	6.00	2.72	
Total BTEX	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	08/02/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	182	90.8	200	1.01	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	201	100	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 91.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Analytical Results For:

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Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 11 @ 4' (H233975-11)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.13	106	2.00	2.68	
Toluene*	<0.050	0.050	08/03/2023	ND	2.06	103	2.00	3.01	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	1.97	98.4	2.00	2.46	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	5.92	98.6	6.00	2.72	
Total BTEX	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	08/02/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	182	90.8	200	1.01	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	201	100	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 12 @ 4' (H233975-12)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	2.13	106	2.00	2.68		
Toluene*	<0.050	0.050	08/03/2023	ND	2.06	103	2.00	3.01		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	1.97	98.4	2.00	2.46		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	5.92	98.6	6.00	2.72		
Total BTEx	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	08/02/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	182	90.8	200	1.01	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	201	100	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 96.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Analytical Results For:

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Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 13 @ 4' (H233975-13)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.13	106	2.00	2.68		
Toluene*	<0.050	0.050	08/04/2023	ND	2.06	103	2.00	3.01		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.97	98.4	2.00	2.46		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.92	98.6	6.00	2.72		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	08/02/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	182	90.8	200	1.01	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	201	100	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 88.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.7 % 49.1-148

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Analytical Results For:

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Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 14 @ 4' (H233975-14)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.13	106	2.00	2.68		
Toluene*	<0.050	0.050	08/04/2023	ND	2.06	103	2.00	3.01		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.97	98.4	2.00	2.46		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.92	98.6	6.00	2.72		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	08/02/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	182	90.8	200	1.01	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	201	100	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 95.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 15 @ 4' (H233975-15)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.13	106	2.00	2.68		
Toluene*	<0.050	0.050	08/04/2023	ND	2.06	103	2.00	3.01		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.97	98.4	2.00	2.46		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.92	98.6	6.00	2.72		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	08/02/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	182	90.8	200	1.01	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	201	100	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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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:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 16 @ 4' (H233975-16)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.13	106	2.00	2.68		
Toluene*	<0.050	0.050	08/04/2023	ND	2.06	103	2.00	3.01		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.97	98.4	2.00	2.46		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.92	98.6	6.00	2.72		
Total BTEx	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	08/02/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	180	89.8	200	2.77	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	204	102	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.2 % 49.1-148

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Analytical Results For:

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Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 17 @ 4' (H233975-17)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.13	106	2.00	2.68		
Toluene*	<0.050	0.050	08/04/2023	ND	2.06	103	2.00	3.01		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.97	98.4	2.00	2.46		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.92	98.6	6.00	2.72		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	08/02/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	180	89.8	200	2.77	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	204	102	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 90.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.5 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 18 @ 4' (H233975-18)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.13	106	2.00	2.68		
Toluene*	<0.050	0.050	08/04/2023	ND	2.06	103	2.00	3.01		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.97	98.4	2.00	2.46		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.92	98.6	6.00	2.72		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	08/02/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	180	89.8	200	2.77	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	204	102	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 19 @ 4' (H233975-19)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	2.03		
Toluene*	<0.050	0.050	08/03/2023	ND	2.00	99.8	2.00	0.185		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.03	101	2.00	1.21		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.09	102	6.00	1.53		
Total BTEX	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	08/02/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	180	89.8	200	2.77	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	204	102	200	1.15	
EXT DRO >C28-C36	10.4	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 20 @ 4' (H233975-20)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	2.03		
Toluene*	<0.050	0.050	08/03/2023	ND	2.00	99.8	2.00	0.185		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.03	101	2.00	1.21		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.09	102	6.00	1.53		
Total BTEx	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	08/02/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	180	89.8	200	2.77	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	204	102	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 97.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.2 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 21 @ 4' (H233975-21)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	2.03		
Toluene*	<0.050	0.050	08/03/2023	ND	2.00	99.8	2.00	0.185		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.03	101	2.00	1.21		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.09	102	6.00	1.53		
Total BTEx	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	08/02/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	180	89.8	200	2.77	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	204	102	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 22 @ 4' (H233975-22)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	2.03	
Toluene*	<0.050	0.050	08/03/2023	ND	2.00	99.8	2.00	0.185	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.03	101	2.00	1.21	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.09	102	6.00	1.53	
Total BTEx	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	08/02/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	180	89.8	200	2.77	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	204	102	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 99.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Analytical Results For:

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Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 23 @ 4' (H233975-23)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	2.03		
Toluene*	<0.050	0.050	08/03/2023	ND	2.00	99.8	2.00	0.185		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.03	101	2.00	1.21		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.09	102	6.00	1.53		
Total BTEx	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	08/02/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	180	89.8	200	2.77	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	204	102	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 97.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.9 % 49.1-148

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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:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 24 @ 4' (H233975-24)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	2.03		
Toluene*	<0.050	0.050	08/03/2023	ND	2.00	99.8	2.00	0.185		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.03	101	2.00	1.21		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.09	102	6.00	1.53		
Total BTEX	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	08/02/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	180	89.8	200	2.77	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	204	102	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.5 % 49.1-148

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Analytical Results For:

BBC International, Inc.
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Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 25 @ 4' (H233975-25)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	2.03		
Toluene*	<0.050	0.050	08/03/2023	ND	2.00	99.8	2.00	0.185		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.03	101	2.00	1.21		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.09	102	6.00	1.53		
Total BTEX	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	08/02/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	180	89.8	200	2.77	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	204	102	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 92.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.1 % 49.1-148

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Analytical Results For:

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Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 26 @ 4' (H233975-26)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	2.03	
Toluene*	<0.050	0.050	08/03/2023	ND	2.00	99.8	2.00	0.185	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.03	101	2.00	1.21	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.09	102	6.00	1.53	
Total BTEX	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	08/02/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	180	89.8	200	2.77	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	204	102	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 95.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.8 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 27 @ 4' (H233975-27)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	2.03		
Toluene*	<0.050	0.050	08/03/2023	ND	2.00	99.8	2.00	0.185		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.03	101	2.00	1.21		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.09	102	6.00	1.53		
Total BTEX	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	08/02/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	180	89.8	200	2.77	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	204	102	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 84.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.1 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 28 @ 4' (H233975-28)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	2.03		
Toluene*	<0.050	0.050	08/03/2023	ND	2.00	99.8	2.00	0.185		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.03	101	2.00	1.21		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.09	102	6.00	1.53		
Total BTEX	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	08/02/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	180	89.8	200	2.77	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	204	102	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Analytical Results For:

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

Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 29 @ 4' (H233975-29)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	2.03		
Toluene*	<0.050	0.050	08/03/2023	ND	2.00	99.8	2.00	0.185		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.03	101	2.00	1.21		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.09	102	6.00	1.53		
Total BTEx	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	08/02/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	180	89.8	200	2.77	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	204	102	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.8 % 49.1-148

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Analytical Results For:

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

Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 30 @ 4' (H233975-30)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	2.03	
Toluene*	<0.050	0.050	08/03/2023	ND	2.00	99.8	2.00	0.185	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.03	101	2.00	1.21	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.09	102	6.00	1.53	
Total BTEx	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	08/02/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	180	89.8	200	2.77	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	204	102	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 95.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.5 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 31 @ 4' (H233975-31)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	2.03	
Toluene*	<0.050	0.050	08/03/2023	ND	2.00	99.8	2.00	0.185	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.03	101	2.00	1.21	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.09	102	6.00	1.53	
Total BTEX	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	08/02/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	180	89.8	200	2.77	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	204	102	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 82.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.2 % 49.1-148

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Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 32 @ 4' (H233975-32)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	2.03		
Toluene*	<0.050	0.050	08/03/2023	ND	2.00	99.8	2.00	0.185		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.03	101	2.00	1.21		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.09	102	6.00	1.53		
Total BTEx	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	08/02/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	180	89.8	200	2.77	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	204	102	200	1.15	
EXT DRO >C28-C36	12.9	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 98.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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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:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 33 @ 4' (H233975-33)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	2.03		
Toluene*	<0.050	0.050	08/03/2023	ND	2.00	99.8	2.00	0.185		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.03	101	2.00	1.21		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.09	102	6.00	1.53		
Total BTEx	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	08/02/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	180	89.8	200	2.77	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	204	102	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 93.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.1 % 49.1-148

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Analytical Results For:

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

Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 34 @ 4' (H233975-34)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	2.03		
Toluene*	<0.050	0.050	08/03/2023	ND	2.00	99.8	2.00	0.185		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.03	101	2.00	1.21		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.09	102	6.00	1.53		
Total BTEX	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	08/02/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	180	89.8	200	2.77	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	204	102	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 86.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.2 % 49.1-148

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Analytical Results For:

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

Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 35 @ 4' (H233975-35)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	2.03		
Toluene*	<0.050	0.050	08/03/2023	ND	2.00	99.8	2.00	0.185		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.03	101	2.00	1.21		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.09	102	6.00	1.53		
Total BTEx	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	08/02/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	180	89.8	200	2.77	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	204	102	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 87.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.8 % 49.1-148

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Analytical Results For:

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

Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 36 @ 4' (H233975-36)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	2.03		
Toluene*	<0.050	0.050	08/03/2023	ND	2.00	99.8	2.00	0.185		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.03	101	2.00	1.21		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.09	102	6.00	1.53		
Total BTEx	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	736	16.0	08/02/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	188	94.1	200	3.76	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	199	99.7	200	0.0371	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 96.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 37 @ 4' (H233975-37)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	2.03		
Toluene*	<0.050	0.050	08/03/2023	ND	2.00	99.8	2.00	0.185		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.03	101	2.00	1.21		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.09	102	6.00	1.53		
Total BTEx	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	08/02/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	188	94.1	200	3.76	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	199	99.7	200	0.0371	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 96.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Analytical Results For:

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

Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 38 @ 4' (H233975-38)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	2.03		
Toluene*	<0.050	0.050	08/03/2023	ND	2.00	99.8	2.00	0.185		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.03	101	2.00	1.21		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.09	102	6.00	1.53		
Total BTEX	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	08/02/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	188	94.1	200	3.76	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	199	99.7	200	0.0371	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 97.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 39 @ 4' (H233975-39)

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	08/04/2023	ND	1.98	99.1	2.00	0.543		
Toluene*	<0.050	0.050	08/04/2023	ND	2.01	101	2.00	5.20		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.95	97.7	2.00	0.125		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.77	96.1	6.00	0.346		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	08/02/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	188	94.1	200	3.76		
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	199	99.7	200	0.0371		
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND						

Surrogate: 1-Chlorooctane 88.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.9 % 49.1-148

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Analytical Results For:

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

Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 40 @ 4' (H233975-40)

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	08/04/2023	ND	1.98	99.1	2.00	0.543		
Toluene*	<0.050	0.050	08/04/2023	ND	2.01	101	2.00	5.20		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.95	97.7	2.00	0.125		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.77	96.1	6.00	0.346		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	08/02/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	188	94.1	200	3.76		
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	199	99.7	200	0.0371		
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND						

Surrogate: 1-Chlorooctane 91.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.6 % 49.1-148

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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:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 41 @ 4' (H233975-41)

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	08/04/2023	ND	1.98	99.1	2.00	0.543		
Toluene*	<0.050	0.050	08/04/2023	ND	2.01	101	2.00	5.20		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.95	97.7	2.00	0.125		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.77	96.1	6.00	0.346		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	08/02/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	188	94.1	200	3.76		
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	199	99.7	200	0.0371		
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND						

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Analytical Results For:

BBC International, Inc.
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Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 42 @ 4' (H233975-42)

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	08/04/2023	ND	1.98	99.1	2.00	0.543		
Toluene*	<0.050	0.050	08/04/2023	ND	2.01	101	2.00	5.20		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.95	97.7	2.00	0.125		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.77	96.1	6.00	0.346		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	08/02/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	188	94.1	200	3.76		
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	199	99.7	200	0.0371		
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND						

Surrogate: 1-Chlorooctane 98.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Analytical Results For:

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Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 43 @ 4' (H233975-43)

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	08/04/2023	ND	1.98	99.1	2.00	0.543		
Toluene*	<0.050	0.050	08/04/2023	ND	2.01	101	2.00	5.20		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.95	97.7	2.00	0.125		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.77	96.1	6.00	0.346		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	08/02/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	188	94.1	200	3.76		
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	199	99.7	200	0.0371		
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND						

Surrogate: 1-Chlorooctane 99.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Analytical Results For:

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Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 44 @ 4' (H233975-44)

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	08/04/2023	ND	1.98	99.1	2.00	0.543		
Toluene*	<0.050	0.050	08/04/2023	ND	2.01	101	2.00	5.20		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.95	97.7	2.00	0.125		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.77	96.1	6.00	0.346		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	08/02/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	188	94.1	200	3.76		
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	199	99.7	200	0.0371		
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND						

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 45 @ 4' (H233975-45)

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	08/04/2023	ND	1.98	99.1	2.00	0.543		
Toluene*	<0.050	0.050	08/04/2023	ND	2.01	101	2.00	5.20		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.95	97.7	2.00	0.125		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.77	96.1	6.00	0.346		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	08/02/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	188	94.1	200	3.76		
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	199	99.7	200	0.0371		
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND						

Surrogate: 1-Chlorooctane 91.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.1 % 49.1-148

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Analytical Results For:

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Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 46 @ 4' (H233975-46)

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	08/04/2023	ND	1.98	99.1	2.00	0.543		
Toluene*	<0.050	0.050	08/04/2023	ND	2.01	101	2.00	5.20		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.95	97.7	2.00	0.125		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.77	96.1	6.00	0.346		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/02/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	188	94.1	200	3.76	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	199	99.7	200	0.0371	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 96.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Analytical Results For:

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Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 47 @ 4' (H233975-47)

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	08/04/2023	ND	1.98	99.1	2.00	0.543		
Toluene*	<0.050	0.050	08/04/2023	ND	2.01	101	2.00	5.20		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.95	97.7	2.00	0.125		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.77	96.1	6.00	0.346		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	08/02/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	188	94.1	200	3.76	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	199	99.7	200	0.0371	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 84.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.0 % 49.1-148

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Analytical Results For:

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Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 48 @ 4' (H233975-48)

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	08/04/2023	ND	1.98	99.1	2.00	0.543		
Toluene*	<0.050	0.050	08/04/2023	ND	2.01	101	2.00	5.20		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.95	97.7	2.00	0.125		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.77	96.1	6.00	0.346		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	08/02/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	188	94.1	200	3.76	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	199	99.7	200	0.0371	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 91.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.8 % 49.1-148

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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:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 49 @ 4' (H233975-49)

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	08/04/2023	ND	1.98	99.1	2.00	0.543		
Toluene*	<0.050	0.050	08/04/2023	ND	2.01	101	2.00	5.20		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.95	97.7	2.00	0.125		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.77	96.1	6.00	0.346		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	08/02/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	188	94.1	200	3.76		
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	199	99.7	200	0.0371		
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND						

Surrogate: 1-Chlorooctane 91.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.1 % 49.1-148

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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:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 50 @ 4' (H233975-50)

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	08/04/2023	ND	1.98	99.1	2.00	0.543		
Toluene*	<0.050	0.050	08/04/2023	ND	2.01	101	2.00	5.20		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.95	97.7	2.00	0.125		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.77	96.1	6.00	0.346		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	08/02/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	188	94.1	200	3.76		
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	199	99.7	200	0.0371		
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND						

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Analytical Results For:

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

Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 51 @ 4' (H233975-51)

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	08/04/2023	ND	1.98	99.1	2.00	0.543		
Toluene*	<0.050	0.050	08/04/2023	ND	2.01	101	2.00	5.20		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.95	97.7	2.00	0.125		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.77	96.1	6.00	0.346		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	08/02/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	188	94.1	200	3.76		
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	199	99.7	200	0.0371		
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND						

Surrogate: 1-Chlorooctane 94.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.5 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 52 @ 4' (H233975-52)

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	08/04/2023	ND	1.98	99.1	2.00	0.543		
Toluene*	<0.050	0.050	08/04/2023	ND	2.01	101	2.00	5.20		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.95	97.7	2.00	0.125		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.77	96.1	6.00	0.346		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	08/02/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	188	94.1	200	3.76	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	199	99.7	200	0.0371	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Analytical Results For:

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

Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 53 @ 4' (H233975-53)

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	08/04/2023	ND	1.98	99.1	2.00	0.543		
Toluene*	<0.050	0.050	08/04/2023	ND	2.01	101	2.00	5.20		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.95	97.7	2.00	0.125		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.77	96.1	6.00	0.346		
Total BTEx	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	08/02/2023	ND	464	116	400	7.14		

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	08/02/2023	ND	188	94.1	200	3.76	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	199	99.7	200	0.0371	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 92.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.4 % 49.1-148

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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:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 54 @ 4' (H233975-54)

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	08/04/2023	ND	1.98	99.1	2.00	0.543		
Toluene*	<0.050	0.050	08/04/2023	ND	2.01	101	2.00	5.20		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.95	97.7	2.00	0.125		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.77	96.1	6.00	0.346		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	08/02/2023	ND	464	116	400	7.14		

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	08/02/2023	ND	188	94.1	200	3.76		
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	199	99.7	200	0.0371		
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND						

Surrogate: 1-Chlorooctane 98.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Analytical Results For:

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

Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 1 (H233975-55)

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	08/04/2023	ND	1.98	99.1	2.00	0.543		
Toluene*	<0.050	0.050	08/04/2023	ND	2.01	101	2.00	5.20		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.95	97.7	2.00	0.125		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.77	96.1	6.00	0.346		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	08/02/2023	ND	464	116	400	7.14		

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	08/02/2023	ND	188	94.1	200	3.76	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	199	99.7	200	0.0371	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 89.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.6 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 2 (H233975-56)

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	08/04/2023	ND	1.98	99.1	2.00	0.543		
Toluene*	<0.050	0.050	08/04/2023	ND	2.01	101	2.00	5.20		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.95	97.7	2.00	0.125		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.77	96.1	6.00	0.346		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	08/02/2023	ND	464	116	400	7.14		

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	08/01/2023	ND	180	90.1	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	200	99.9	200	5.36	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Analytical Results For:

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Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 3 (H233975-57)

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	08/04/2023	ND	1.98	99.1	2.00	0.543		
Toluene*	<0.050	0.050	08/04/2023	ND	2.01	101	2.00	5.20		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.95	97.7	2.00	0.125		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.77	96.1	6.00	0.346		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	08/02/2023	ND	464	116	400	7.14		

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	08/01/2023	ND	180	90.1	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	200	99.9	200	5.36	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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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:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 4 (H233975-58)

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	08/04/2023	ND	1.98	99.1	2.00	0.543		
Toluene*	<0.050	0.050	08/04/2023	ND	2.01	101	2.00	5.20		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.95	97.7	2.00	0.125		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.77	96.1	6.00	0.346		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	08/02/2023	ND	464	116	400	7.14		

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	08/02/2023	ND	180	90.1	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	200	99.9	200	5.36	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 98.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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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:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 5 (H233975-59)

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	08/04/2023	ND	1.98	98.9	2.00	3.18		
Toluene*	<0.050	0.050	08/04/2023	ND	1.89	94.3	2.00	3.67		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.95	97.3	2.00	3.75		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.78	96.4	6.00	2.74		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	08/02/2023	ND	464	116	400	7.14		

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	08/02/2023	ND	180	90.1	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	200	99.9	200	5.36	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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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:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 6 (H233975-60)

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	08/04/2023	ND	1.98	98.9	2.00	3.18		
Toluene*	<0.050	0.050	08/04/2023	ND	1.89	94.3	2.00	3.67		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.95	97.3	2.00	3.75		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.78	96.4	6.00	2.74		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	08/02/2023	ND	464	116	400	7.14		

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	08/02/2023	ND	180	90.1	200	5.74		
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	200	99.9	200	5.36		
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND						

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Analytical Results For:

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

Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 7 (H233975-61)

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	08/04/2023	ND	1.98	98.9	2.00	3.18		
Toluene*	<0.050	0.050	08/04/2023	ND	1.89	94.3	2.00	3.67		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.95	97.3	2.00	3.75		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.78	96.4	6.00	2.74		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	08/02/2023	ND	464	116	400	7.14		

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	08/02/2023	ND	180	90.1	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	200	99.9	200	5.36	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 94.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Analytical Results For:

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

Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 8 (H233975-62)

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	08/04/2023	ND	1.98	98.9	2.00	3.18		
Toluene*	<0.050	0.050	08/04/2023	ND	1.89	94.3	2.00	3.67		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.95	97.3	2.00	3.75		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.78	96.4	6.00	2.74		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	08/02/2023	ND	464	116	400	7.14	

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	08/02/2023	ND	180	90.1	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	200	99.9	200	5.36	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 75.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.6 % 49.1-148

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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:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 9 (H233975-63)

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	08/04/2023	ND	1.98	98.9	2.00	3.18		
Toluene*	<0.050	0.050	08/04/2023	ND	1.89	94.3	2.00	3.67		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.95	97.3	2.00	3.75		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.78	96.4	6.00	2.74		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	08/02/2023	ND	464	116	400	7.14		

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	08/02/2023	ND	180	90.1	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	200	99.9	200	5.36	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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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:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 10 (H233975-64)

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	08/04/2023	ND	1.98	98.9	2.00	3.18		
Toluene*	<0.050	0.050	08/04/2023	ND	1.89	94.3	2.00	3.67		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.95	97.3	2.00	3.75		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.78	96.4	6.00	2.74		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B			mg/kg							
			Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	736	16.0	08/02/2023	ND	464	116	400	7.14		

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	08/02/2023	ND	180	90.1	200	5.74		
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	200	99.9	200	5.36		
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND						

Surrogate: 1-Chlorooctane 96.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Analytical Results For:

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

Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 11 (H233975-65)

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	08/04/2023	ND	1.98	98.9	2.00	3.18		
Toluene*	<0.050	0.050	08/04/2023	ND	1.89	94.3	2.00	3.67		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.95	97.3	2.00	3.75		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.78	96.4	6.00	2.74		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	08/02/2023	ND	464	116	400	7.14		

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	08/02/2023	ND	180	90.1	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	200	99.9	200	5.36	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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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:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 12 (H233975-66)

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	08/04/2023	ND	1.98	98.9	2.00	3.18		
Toluene*	<0.050	0.050	08/04/2023	ND	1.89	94.3	2.00	3.67		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.95	97.3	2.00	3.75		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.78	96.4	6.00	2.74		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	08/02/2023	ND	464	116	400	7.14		

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	08/02/2023	ND	180	90.1	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	200	99.9	200	5.36	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 99.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Analytical Results For:

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

Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 55 @ 1' (H233975-67)

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	08/04/2023	ND	1.98	98.9	2.00	3.18		
Toluene*	<0.050	0.050	08/04/2023	ND	1.89	94.3	2.00	3.67		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.95	97.3	2.00	3.75		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.78	96.4	6.00	2.74		
Total BTEx	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	08/02/2023	ND	464	116	400	7.14		

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	08/02/2023	ND	180	90.1	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	200	99.9	200	5.36	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 99.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Analytical Results For:

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

Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 56 @ 1' (H233975-68)

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	08/04/2023	ND	1.98	98.9	2.00	3.18		
Toluene*	<0.050	0.050	08/04/2023	ND	1.89	94.3	2.00	3.67		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.95	97.3	2.00	3.75		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.78	96.4	6.00	2.74		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	08/02/2023	ND	464	116	400	7.14		

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	08/02/2023	ND	180	90.1	200	5.74		
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	200	99.9	200	5.36		
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND						

Surrogate: 1-Chlorooctane 97.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 57 @ 1' (H233975-69)

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	08/04/2023	ND	1.98	98.9	2.00	3.18		
Toluene*	<0.050	0.050	08/04/2023	ND	1.89	94.3	2.00	3.67		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.95	97.3	2.00	3.75		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.78	96.4	6.00	2.74		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	08/02/2023	ND	464	116	400	7.14		

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	08/02/2023	ND	180	90.1	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	200	99.9	200	5.36	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Analytical Results For:

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 Cliff Brunson
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 Fax To: (575) 397-0397

Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 58 @ 1' (H233975-70)

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	08/04/2023	ND	1.98	98.9	2.00	3.18		
Toluene*	<0.050	0.050	08/04/2023	ND	1.89	94.3	2.00	3.67		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.95	97.3	2.00	3.75		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.78	96.4	6.00	2.74		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	08/02/2023	ND	464	116	400	7.14		

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	08/02/2023	ND	180	90.1	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	200	99.9	200	5.36	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Analytical Results For:

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 Cliff Brunson
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 Fax To: (575) 397-0397

Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 59 @ 1' (H233975-71)

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	08/04/2023	ND	1.98	98.9	2.00	3.18		
Toluene*	<0.050	0.050	08/04/2023	ND	1.89	94.3	2.00	3.67		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.95	97.3	2.00	3.75		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.78	96.4	6.00	2.74		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	08/02/2023	ND	464	116	400	7.14		

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	08/02/2023	ND	180	90.1	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	200	99.9	200	5.36	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Analytical Results For:

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

Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 60 @ 1' (H233975-72)

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	08/04/2023	ND	1.98	98.9	2.00	3.18		
Toluene*	<0.050	0.050	08/04/2023	ND	1.89	94.3	2.00	3.67		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.95	97.3	2.00	3.75		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.78	96.4	6.00	2.74		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	08/02/2023	ND	464	116	400	7.14		

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	08/02/2023	ND	180	90.1	200	5.74		
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	200	99.9	200	5.36		
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND						

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 61 @ 1' (H233975-73)

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	08/04/2023	ND	1.98	98.9	2.00	3.18		
Toluene*	<0.050	0.050	08/04/2023	ND	1.89	94.3	2.00	3.67		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.95	97.3	2.00	3.75		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.78	96.4	6.00	2.74		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	08/02/2023	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	08/02/2023	ND	180	90.1	200	5.74		
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	200	99.9	200	5.36		
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND						

Surrogate: 1-Chlorooctane 88.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.1 % 49.1-148

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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:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 62 @ 1' (H233975-74)

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	08/04/2023	ND	1.98	98.9	2.00	3.18		
Toluene*	<0.050	0.050	08/04/2023	ND	1.89	94.3	2.00	3.67		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.95	97.3	2.00	3.75		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.78	96.4	6.00	2.74		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	08/02/2023	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	08/02/2023	ND	180	90.1	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	200	99.9	200	5.36	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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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:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 63 @ 1' (H233975-75)

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	08/04/2023	ND	1.98	98.9	2.00	3.18		
Toluene*	<0.050	0.050	08/04/2023	ND	1.89	94.3	2.00	3.67		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.95	97.3	2.00	3.75		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.78	96.4	6.00	2.74		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	08/02/2023	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	08/02/2023	ND	180	90.1	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	200	99.9	200	5.36	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Analytical Results For:

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

Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 64 @ 1' (H233975-76)

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	08/04/2023	ND	1.98	98.9	2.00	3.18		
Toluene*	<0.050	0.050	08/04/2023	ND	1.89	94.3	2.00	3.67		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.95	97.3	2.00	3.75		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.78	96.4	6.00	2.74		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	08/02/2023	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	08/02/2023	ND	190	94.9	200	6.07	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	211	105	200	4.43	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 90.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 65 @ 1' (H233975-77)

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	08/04/2023	ND	1.98	98.9	2.00	3.18		
Toluene*	<0.050	0.050	08/04/2023	ND	1.89	94.3	2.00	3.67		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.95	97.3	2.00	3.75		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.78	96.4	6.00	2.74		
Total BTX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	08/02/2023	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	08/02/2023	ND	190	94.9	200	6.07		
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	211	105	200	4.43		
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND						

Surrogate: 1-Chlorooctane 70.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.7 % 49.1-148

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Analytical Results For:

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

Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 66 @ 1' (H233975-78)

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	08/04/2023	ND	1.98	98.9	2.00	3.18		
Toluene*	<0.050	0.050	08/04/2023	ND	1.89	94.3	2.00	3.67		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.95	97.3	2.00	3.75		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.78	96.4	6.00	2.74		
Total BTEx	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	08/02/2023	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	08/02/2023	ND	190	94.9	200	6.07	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	211	105	200	4.43	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 79.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.3 % 49.1-148

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Analytical Results For:

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

Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 67 @ 1' (H233975-79)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.17	108	2.00	3.30		
Toluene*	<0.050	0.050	08/04/2023	ND	2.11	105	2.00	3.83		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	2.02	101	2.00	4.95		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	6.09	102	6.00	4.51		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	08/02/2023	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	08/02/2023	ND	190	94.9	200	6.07	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	211	105	200	4.43	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 88.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.9 % 49.1-148

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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:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 68 @ 1' (H233975-80)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.17	108	2.00	3.30		
Toluene*	<0.050	0.050	08/04/2023	ND	2.11	105	2.00	3.83		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	2.02	101	2.00	4.95		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	6.09	102	6.00	4.51		
Total BTX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	08/02/2023	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	08/02/2023	ND	190	94.9	200	6.07	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	211	105	200	4.43	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 89.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.3 % 49.1-148

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Analytical Results For:

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

Received:	07/27/2023	Sampling Date:	07/24/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 69 @ 1' (H233975-81)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.17	108	2.00	3.30		
Toluene*	<0.050	0.050	08/04/2023	ND	2.11	105	2.00	3.83		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	2.02	101	2.00	4.95		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	6.09	102	6.00	4.51		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	08/02/2023	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	08/02/2023	ND	190	94.9	200	6.07	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	211	105	200	4.43	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 88.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.7 % 49.1-148

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Analytical Results For:

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Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 13 (H233975-82)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/04/2023	ND	2.17	108	2.00	3.30	
Toluene*	<0.050	0.050	08/04/2023	ND	2.11	105	2.00	3.83	
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	2.02	101	2.00	4.95	
Total Xylenes*	<0.150	0.150	08/04/2023	ND	6.09	102	6.00	4.51	
Total BTEX	<0.300	0.300	08/04/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	08/02/2023	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	08/02/2023	ND	190	94.9	200	6.07	
DRO >C10-C28*	134	10.0	08/02/2023	ND	211	105	200	4.43	
EXT DRO >C28-C36	33.1	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 83.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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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:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 14 (H233975-83)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/04/2023	ND	2.17	108	2.00	3.30	
Toluene*	<0.050	0.050	08/04/2023	ND	2.11	105	2.00	3.83	
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	2.02	101	2.00	4.95	
Total Xylenes*	<0.150	0.150	08/04/2023	ND	6.09	102	6.00	4.51	
Total BTEX	<0.300	0.300	08/04/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	08/02/2023	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	08/02/2023	ND	190	94.9	200	6.07	
DRO >C10-C28*	158	10.0	08/02/2023	ND	211	105	200	4.43	
EXT DRO >C28-C36	36.6	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 78.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.3 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 70 @ 2' (H233975-84)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.17	108	2.00	3.30		
Toluene*	<0.050	0.050	08/04/2023	ND	2.11	105	2.00	3.83		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	2.02	101	2.00	4.95		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	6.09	102	6.00	4.51		
Total BTX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	08/02/2023	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	08/02/2023	ND	190	94.9	200	6.07	
DRO >C10-C28*	121	10.0	08/02/2023	ND	211	105	200	4.43	
EXT DRO >C28-C36	26.6	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 73.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.4 % 49.1-148

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Analytical Results For:

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Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 71 @ 2' (H233975-85)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.17	108	2.00	3.30		
Toluene*	<0.050	0.050	08/04/2023	ND	2.11	105	2.00	3.83		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	2.02	101	2.00	4.95		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	6.09	102	6.00	4.51		
Total BTX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	08/02/2023	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	08/02/2023	ND	190	94.9	200	6.07	
DRO >C10-C28*	133	10.0	08/02/2023	ND	211	105	200	4.43	
EXT DRO >C28-C36	23.7	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 88.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 72 @ 2' (H233975-86)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.17	108	2.00	3.30		
Toluene*	<0.050	0.050	08/04/2023	ND	2.11	105	2.00	3.83		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	2.02	101	2.00	4.95		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	6.09	102	6.00	4.51		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	08/02/2023	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	08/02/2023	ND	190	94.9	200	6.07		
DRO >C10-C28*	156	10.0	08/02/2023	ND	211	105	200	4.43		
EXT DRO >C28-C36	38.2	10.0	08/02/2023	ND						

Surrogate: 1-Chlorooctane 70.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.0 % 49.1-148

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Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 73 @ 2' (H233975-87)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.17	108	2.00	3.30		
Toluene*	<0.050	0.050	08/04/2023	ND	2.11	105	2.00	3.83		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	2.02	101	2.00	4.95		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	6.09	102	6.00	4.51		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	08/02/2023	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	08/02/2023	ND	190	94.9	200	6.07	
DRO >C10-C28*	185	10.0	08/02/2023	ND	211	105	200	4.43	
EXT DRO >C28-C36	52.6	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 79.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.3 % 49.1-148

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 Fax To: (575) 397-0397

Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 74 @ 2' (H233975-88)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.17	108	2.00	3.30		
Toluene*	<0.050	0.050	08/04/2023	ND	2.11	105	2.00	3.83		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	2.02	101	2.00	4.95		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	6.09	102	6.00	4.51		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	08/02/2023	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	08/02/2023	ND	190	94.9	200	6.07	
DRO >C10-C28*	632	10.0	08/02/2023	ND	211	105	200	4.43	
EXT DRO >C28-C36	149	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 67.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 64.1 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 75 @ 2' (H233975-89)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.17	108	2.00	3.30		
Toluene*	<0.050	0.050	08/04/2023	ND	2.11	105	2.00	3.83		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	2.02	101	2.00	4.95		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	6.09	102	6.00	4.51		
Total BTX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	08/02/2023	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	08/02/2023	ND	190	94.9	200	6.07	
DRO >C10-C28*	517	10.0	08/02/2023	ND	211	105	200	4.43	
EXT DRO >C28-C36	124	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 68.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.7 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 76 @ 2' (H233975-90)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.17	108	2.00	3.30		
Toluene*	<0.050	0.050	08/04/2023	ND	2.11	105	2.00	3.83		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	2.02	101	2.00	4.95		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	6.09	102	6.00	4.51		
Total BTX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	08/02/2023	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	08/02/2023	ND	190	94.9	200	6.07	
DRO >C10-C28*	145	10.0	08/02/2023	ND	211	105	200	4.43	
EXT DRO >C28-C36	46.6	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 64.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.2 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/04/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 77 @ 2' (H233975-91)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.17	108	2.00	3.30		
Toluene*	<0.050	0.050	08/04/2023	ND	2.11	105	2.00	3.83		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	2.02	101	2.00	4.95		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	6.09	102	6.00	4.51		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	08/02/2023	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	08/02/2023	ND	190	94.9	200	6.07	
DRO >C10-C28*	132	10.0	08/02/2023	ND	211	105	200	4.43	
EXT DRO >C28-C36	33.9	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 66.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Coley D. Keene

Coley D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

[illegible]



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc. Project Manager: Cliff Brunson Address: P.O. Box 805 City: Hobbs State: NM Zip: 88241 Phone #: 575-397-6388 Fax #: 575-397-0397 Project #: Project Owner: Oxy Project Name: WHOMPING WILLOW CTB (11/11/22) Project Location: New Mexico Sampler Name: ROGER HERNANDEZ		P.O. #: Company: Oxy Attn: Address: City: State: Zip: Phone #: Fax #:	
FOR LAB USE ONLY Lab I.D. Sample I.D.		(G)RAB OR (C)OMP. # CONTAINERS MATRIX: GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER: ACID/BASE: ICE / COOL, OTHER:	
		PRESERV	SAMPLING
11 BOTTOM SAMPLE 11@4' 12 BOTTOM SAMPLE 12@4' 13 BOTTOM SAMPLE 13@4' 14 BOTTOM SAMPLE 14@4' 15 BOTTOM SAMPLE 15@4' 16 BOTTOM SAMPLE 16@4' 17 BOTTOM SAMPLE 17@4' 18 BOTTOM SAMPLE 18@4' 19 BOTTOM SAMPLE 19@4' 20 BOTTOM SAMPLE 20@4'		DATE 7/24/23 9:20AM 7/24/23 9:25AM 7/24/23 9:30AM 7/24/23 9:35AM 7/24/23 9:40AM 7/24/23 9:45AM 7/24/23 9:50AM 7/24/23 9:55AM 7/24/23 10:00AM 7/24/23 10:05AM	TIME ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓
PLEASE NOTE: Liability and Damages. Carriers liability and clients exclusive remedy for any claims arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.		Chloride BTEX TPH/EXT	
Relinquished By: Date: 7/27/23 Received By: [Signature] Relinquished By: Date: 7/27/23 Received By: [Signature] Relinquished By: Date: 7/27/23 Received By: [Signature]		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: REMARKS:	



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc. Project Manager: Cliff Brunson Address: P.O. Box 805 City: Hobbs State: NM Zip: 88241 Phone #: 575-397-6388 Fax #: 575-397-0397 Project #: Project Owner: Oxy Project Name: WHOMPING WILLOW CTB (11/11/22) Project Location: New Mexico Sampler Name: ROGER HERNADEZ				BILL TO P.O. #: Company: Oxy Attn: Address: City: State: Zip: Phone #: Fax #:			
FOR LAB USE ONLY Lab I.D. Sample I.D.				MATRIX PRESERV. SAMPLING			
(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :				DATE TIME			
BOTTOM SAMPLE 21@4' 7/24/23 10:10AM ✓ Chloride BOTTOM SAMPLE 22@4' 7/24/23 10:15AM ✓ BTEX BOTTOM SAMPLE 23@4' 7/24/23 10:20AM ✓ TPH BOTTOM SAMPLE 24@4' 7/24/23 10:25AM ✓ EXT BOTTOM SAMPLE 25@4' 7/24/23 10:30AM ✓ BOTTOM SAMPLE 26@4' 7/24/23 10:35AM ✓ BOTTOM SAMPLE 27@4' 7/24/23 10:40AM ✓ BOTTOM SAMPLE 28@4' 7/24/23 10:45AM ✓ BOTTOM SAMPLE 29@4' 7/24/23 10:50AM ✓ BOTTOM SAMPLE 30@4' 7/24/23 10:55AM ✓							

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Relinquished By: _____	Received By: Cliff Brunson	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #: _____
Time: 11:00	Date: _____	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #: _____
Time: _____	Date: _____	REMARKS: _____	

Relinquished By: _____
 Delivered By: (Circle One) **-9.4**
 Sampler - UPS - Bus - Other: **#140**
 Sample Condition: ☒ Intact ☐ Cool ☐ Yes ☐ No
 Checked By: **Cliff Brunson**

Page 96 of 103



ORDINAL LABORATORIES

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



101 East Marland, Hobbs, NM 88240
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.							BILL TO						
Project Manager: Cliff Brunson							P.O. #:						
Address: P.O. Box 805							Company:	Oxy					
City: Hobbs							Attn:						
State: NM Zip: 88241													
Phone #: 575-397-6388 Fax #: 575-397-0397							Address:						
Project #:							City:						
Project Name: WHOMPING WILLOW CTB (11/11/22)							State:	Zip:					
Project Location: New Mexico							Phone #:						
Fax #:													
Sample Name: ROGER HERNADEZ													
FOR LAB USE ONLY							Fax #:						
Lab I.D.							Sample I.D.						
(G)RAB OR (C)OMP.							MATRIX						
# CONTAINERS							PRESERV						
GROUNDWATER							SAMPLING						
WASTEWATER													
SOIL													
OIL													
SLUDGE													
OTHER :													
ACID/BASE:													
ICE / COOL													
OTHER :													
DATE							TIME						
7/24/23							11:50AM						
7/24/23							11:55AM						
7/24/23							12:00PM						
7/24/23							12:05PM						
7/24/23							12:10PM						
7/24/23							12:15PM						
7/24/23							12:20PM						
7/24/23							12:25PM						
7/24/23							12:30PM						
7/24/23							12:35PM						

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Relinquished By: [Signature] Date: 7/24/23 Received By: [Signature]

Relinquished By: [Signature] Date: 7/24/23 Received By: [Signature]

Delivered By: (Circle One) - 9.4 Sample Condition Cgo! Intact Yes No

Sampler - UPS - Bus - Other: #140

CHECKED BY: [Signature] (initials)

REMARKS: Chloride BTEX TPH EXT



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: BBC International, Inc. Project Manager: Cliff Brunson Address: P.O. Box 805 City: Hobbs Phone #: 575-397-6388 Project #: Project Name: WHOMPING WILLOW CTB (11/11/22) Project Location: New Mexico Sampler Name: ROGER HERNADEZ										BILL TO P.O. #: Company: Oxy Attn: Address: City: State: Zip: Phone #: Fax #:																			
FOR LAB USE ONLY Lab I.D.: Sample I.D. Lab I.D.:										MATRIX (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :										PRESERV SAMPLING									
51 BOTTOM SAMPLE 51@4' 52 BOTTOM SAMPLE 52@4' 53 BOTTOM SAMPLE 53@4' 54 BOTTOM SAMPLE 54@4' 55 SIDEWALL 1 56 SIDEWALL 2 57 SIDEWALL 3 58 SIDEWALL 4 59 SIDEWALL 5 60 SIDEWALL 6										DATE TIME										Chloride BTEX TPH/EXT									
7/24/23 12:40PM 7/24/23 12:45PM 7/24/23 12:50PM 7/24/23 12:55PM 7/24/23 1:00PM 7/24/23 1:05PM 7/24/23 1:10PM 7/24/23 1:15PM 7/24/23 1:20PM 7/24/23 1:25PM										✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓										✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓									
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Delivered By: (Circle One) Sampler - UPS - Bus - Other:										Sample Condition Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>										CHECKED BY: (Initials)									



ARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.				BILL TO				ANALYSIS REQUEST									
Project Manager: Cliff Brunson				P.O. #:													
Address: P.O. Box 805				Company: Oxy													
City: Hobbs				Attn:													
State: NM Zip: 88241				Address:													
Phone #: 575-397-6388				Fax #: 575-397-0397													
Project #:				City:													
Project Name: WHOMPING WILLOW CTB (11/11/22)				State:													
Project Location: New Mexico				Zip:													
Sampler Name: ROGER HERNANDEZ				Phone #:													
Fax #:																	
FOR LAB USE ONLY																	
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING					
H233975		SIDEWALL 7		7/24/23		1:30PM		✓		✓		✓		Chloride			
61		SIDEWALL 8		7/24/23		1:35PM		✓		✓		✓		BTEX			
63		SIDEWALL 9		7/24/23		1:40PM		✓		✓		✓		TPH EXT			
64		SIDEWALL 10		7/24/23		1:45PM		✓		✓		✓					
65		SIDEWALL 11		7/24/23		1:50PM		✓		✓		✓					
66		SIDEWALL 12		7/24/23		1:55PM		✓		✓		✓					
67		BOTTOM SAMPLE 55@1'		7/24/23		2:00PM		✓		✓		✓					
68		BOTTOM SAMPLE 56@1'		7/24/23		2:05PM		✓		✓		✓					
69		BOTTOM SAMPLE 57@1'		7/24/23		2:10PM		✓		✓		✓					
70		BOTTOM SAMPLE 58@1'		7/24/23		2:15PM		✓		✓		✓					
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Relinquished By:				Date: 7/24/23				Received By:				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:					
Relinquished By:				Date: 7/24/23				Received By:				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:					
Delivered By: (Circle One)				Sample Condition				CHECKED BY:									
Sampler - UPS - Bus - Other:				Cool Intact				(Initials)									
				<input type="checkbox"/> Yes <input type="checkbox"/> No													
				<input type="checkbox"/> Yes <input type="checkbox"/> No													

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.		P.O. #:	
Project Manager: Cliff Brunson		Company: Oxy	
Address: P.O. Box 805		Attn:	
City: Hobbs		Address:	
Phone #: 575-397-6388		State: NM Zip: 88241	
Fax #: 575-397-0397		City:	
Project #:		State:	
Project Name: WHOMPING WILLOW CTB (11/11/22)		Zip:	
Project Location: New Mexico		Phone #:	
Sampler Name: ROGER HERNADEZ		Fax #:	

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	DATE	TIME	ANALYSIS REQUEST
11	BOTTOM SAMPLE 59@1'						7/24/23	2:20PM	✓
12	BOTTOM SAMPLE 60@1'						7/24/23	2:25PM	✓
13	BOTTOM SAMPLE 61@1'						7/24/23	2:30PM	✓
14	BOTTOM SAMPLE 62@1'						7/24/23	2:35PM	✓
15	BOTTOM SAMPLE 63@1'						7/24/23	2:40PM	✓
16	BOTTOM SAMPLE 64@1'						7/24/23	2:45PM	✓
17	BOTTOM SAMPLE 65@1'						7/24/23	2:50PM	✓
18	BOTTOM SAMPLE 66@1'						7/24/23	2:55PM	✓
19	BOTTOM SAMPLE 67@1'						7/24/23	3:00PM	✓
20	BOTTOM SAMPLE 68@1'						7/24/23	3:05PM	✓

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Relinquished By:	Date: 7/17/23	Received By:	Date: 7/17/23
Relinquished By:	Time: 10:00 AM	Received By:	Time: 10:00 AM

Delivered By: (Circle One) **-9.4**

Sampler - UPS - Bus - Other: **#14D**

Sample Condition: ☒ Intact ☐ Cool ☐ Yes ☐ No

CHECKED BY: **[Signature]**

REMARKS:

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



**404 East Main Street
CARDINAL LABORATORIES**

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc. Project Manager: Cliff Brunson Address: P.O. Box 805 City: Hobbs State: NM Zip: 88241 Phone #: 575-397-6388 Fax #: 575-397-0397 Project #: Project Owner: Oxy Project Name: WHOMPING WILLOW CTB (11/11/22) Project Location: New Mexico Sampler Name: ROGER HERNADEZ										BILL TO P.O. #: Company: Oxy Attn: Address: City: State: Zip: Phone #: Fax #:										ANALYSIS REQUEST																			
FOR LAB USE ONLY Lab I.D. Sample I.D. BOTTOM SAMPLE 69@1'										(G)RAB OR (C)OMP. # CONTAINERS MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :										PRESERV SAMPLING DATE 7/24/23 TIME 2:20PM										Chloride BTEX TPH/EXT									
PLEASE NOTE: Liability and Damages. Cardholder's liability and client's exclusive remedy for any claim arising under this contract or tort, shall be limited to the amount paid by the client for the service. In no event shall Cardholder be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardholder, regardless of whether such claim is based upon any of the above stated reasons or otherwise.										Relinquished By: Date: Time: Received By: Date: Time:										Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: REMARKS:																			
Delivered By: (Circle One) -9.4 Sampler - UPS - Bus - Other: #140 Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> CHECKED BY: (Initials)										Relinquished By: Date: Time: Received By: Date: Time:										Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: REMARKS:																			



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

August 07, 2023

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: WHOMPING WILLOW CTB 11-11-22

Enclosed are the results of analyses for samples received by the laboratory on 07/27/23 16:08.

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 style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 78 @ 2' (H233976-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/04/2023	ND	2.17	108	2.00	3.30	
Toluene*	<0.050	0.050	08/04/2023	ND	2.11	105	2.00	3.83	
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	2.02	101	2.00	4.95	
Total Xylenes*	<0.150	0.150	08/04/2023	ND	6.09	102	6.00	4.51	
Total BTEX	<0.300	0.300	08/04/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	08/02/2023	ND	416	104	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	08/02/2023	ND	168	83.9	200	5.18	
DRO >C10-C28*	214	10.0	08/02/2023	ND	153	76.5	200	6.12	
EXT DRO >C28-C36	54.9	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 80.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.2 % 49.1-148

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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:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 79 @ 2' (H233976-02)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.17	108	2.00	3.30		
Toluene*	<0.050	0.050	08/04/2023	ND	2.11	105	2.00	3.83		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	2.02	101	2.00	4.95		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	6.09	102	6.00	4.51		
Total BTX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	08/02/2023	ND	416	104	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	08/02/2023	ND	168	83.9	200	5.18	
DRO >C10-C28*	149	10.0	08/02/2023	ND	153	76.5	200	6.12	
EXT DRO >C28-C36	46.2	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 89.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.8 % 49.1-148

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Analytical Results For:

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Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 80 @ 2' (H233976-03)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.17	108	2.00	3.30		
Toluene*	<0.050	0.050	08/04/2023	ND	2.11	105	2.00	3.83		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	2.02	101	2.00	4.95		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	6.09	102	6.00	4.51		
Total BTX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	08/02/2023	ND	416	104	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	08/02/2023	ND	168	83.9	200	5.18	
DRO >C10-C28*	138	10.0	08/02/2023	ND	153	76.5	200	6.12	
EXT DRO >C28-C36	40.7	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 73.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.0 % 49.1-148

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Analytical Results For:

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Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 81 @ 2' (H233976-04)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.17	108	2.00	3.30		
Toluene*	<0.050	0.050	08/04/2023	ND	2.11	105	2.00	3.83		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	2.02	101	2.00	4.95		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	6.09	102	6.00	4.51		
Total BTX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	08/02/2023	ND	416	104	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	08/02/2023	ND	168	83.9	200	5.18	
DRO >C10-C28*	134	10.0	08/02/2023	ND	153	76.5	200	6.12	
EXT DRO >C28-C36	36.1	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 76.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.0 % 49.1-148

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Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 82 @ 2' (H233976-05)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.17	108	2.00	3.30		
Toluene*	<0.050	0.050	08/04/2023	ND	2.11	105	2.00	3.83		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	2.02	101	2.00	4.95		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	6.09	102	6.00	4.51		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	08/02/2023	ND	416	104	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	08/02/2023	ND	163	81.3	200	0.231	
DRO >C10-C28*	77.3	10.0	08/02/2023	ND	165	82.4	200	3.92	
EXT DRO >C28-C36	12.5	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 79.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.4 % 49.1-148

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Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 83 @ 2' (H233976-06)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.17	108	2.00	3.30		
Toluene*	<0.050	0.050	08/04/2023	ND	2.11	105	2.00	3.83		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	2.02	101	2.00	4.95		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	6.09	102	6.00	4.51		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	08/02/2023	ND	416	104	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	08/02/2023	ND	163	81.3	200	0.231	
DRO >C10-C28*	129	10.0	08/02/2023	ND	165	82.4	200	3.92	
EXT DRO >C28-C36	22.7	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 84.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.7 % 49.1-148

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 Fax To: (575) 397-0397

Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 84 @ 2' (H233976-07)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/04/2023	ND	2.17	108	2.00	3.30	
Toluene*	<0.050	0.050	08/04/2023	ND	2.11	105	2.00	3.83	
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	2.02	101	2.00	4.95	
Total Xylenes*	<0.150	0.150	08/04/2023	ND	6.09	102	6.00	4.51	
Total BTEX	<0.300	0.300	08/04/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	08/02/2023	ND	416	104	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	08/02/2023	ND	163	81.3	200	0.231	
DRO >C10-C28*	840	10.0	08/02/2023	ND	165	82.4	200	3.92	
EXT DRO >C28-C36	196	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 69.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.8 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 85 @ 2' (H233976-08)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	2.13	106	2.00	0.378		
Toluene*	<0.050	0.050	08/03/2023	ND	2.07	104	2.00	4.27		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.08	104	2.00	7.42		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.11	102	6.00	10.4		
Total BTEx	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	08/02/2023	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	08/02/2023	ND	163	81.3	200	0.231	
DRO >C10-C28*	159	10.0	08/02/2023	ND	165	82.4	200	3.92	
EXT DRO >C28-C36	36.8	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 78.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.3 % 49.1-148

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Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 86 @ 2' (H233976-09)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	2.13	106	2.00	0.378		
Toluene*	<0.050	0.050	08/03/2023	ND	2.07	104	2.00	4.27		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.08	104	2.00	7.42		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.11	102	6.00	10.4		
Total BTEx	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	08/02/2023	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	08/02/2023	ND	163	81.3	200	0.231	
DRO >C10-C28*	138	10.0	08/02/2023	ND	165	82.4	200	3.92	
EXT DRO >C28-C36	24.4	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 83.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.8 % 49.1-148

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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:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 87 @ 2' (H233976-10)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.13	106	2.00	0.378	
Toluene*	<0.050	0.050	08/03/2023	ND	2.07	104	2.00	4.27	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.08	104	2.00	7.42	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.11	102	6.00	10.4	
Total BTEx	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	08/02/2023	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	08/02/2023	ND	163	81.3	200	0.231	
DRO >C10-C28*	105	10.0	08/02/2023	ND	165	82.4	200	3.92	
EXT DRO >C28-C36	25.7	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 82.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.3 % 49.1-148

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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:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 88 @ 2' (H233976-11)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	2.13	106	2.00	0.378		
Toluene*	<0.050	0.050	08/03/2023	ND	2.07	104	2.00	4.27		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.08	104	2.00	7.42		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.11	102	6.00	10.4		
Total BTEx	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	08/02/2023	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	08/02/2023	ND	163	81.3	200	0.231	
DRO >C10-C28*	109	10.0	08/02/2023	ND	165	82.4	200	3.92	
EXT DRO >C28-C36	19.3	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 78.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.5 % 49.1-148

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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:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 89 @ 2' (H233976-12)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	2.13	106	2.00	0.378		
Toluene*	<0.050	0.050	08/03/2023	ND	2.07	104	2.00	4.27		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.08	104	2.00	7.42		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.11	102	6.00	10.4		
Total BTEx	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	08/02/2023	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	08/02/2023	ND	163	81.3	200	0.231	
DRO >C10-C28*	135	10.0	08/02/2023	ND	165	82.4	200	3.92	
EXT DRO >C28-C36	26.5	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 68.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.2 % 49.1-148

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Analytical Results For:

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

Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 90 @ 2' (H233976-13)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	2.13	106	2.00	0.378		
Toluene*	<0.050	0.050	08/03/2023	ND	2.07	104	2.00	4.27		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.08	104	2.00	7.42		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.11	102	6.00	10.4		
Total BTEx	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	08/02/2023	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	08/02/2023	ND	163	81.3	200	0.231	
DRO >C10-C28*	114	10.0	08/02/2023	ND	165	82.4	200	3.92	
EXT DRO >C28-C36	23.4	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 91.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.3 % 49.1-148

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Analytical Results For:

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

Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 91 @ 2' (H233976-14)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.13	106	2.00	0.378		
Toluene*	<0.050	0.050	08/04/2023	ND	2.07	104	2.00	4.27		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	2.08	104	2.00	7.42		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	6.11	102	6.00	10.4		
Total BTEx	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	08/02/2023	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	08/02/2023	ND	163	81.3	200	0.231	
DRO >C10-C28*	149	10.0	08/02/2023	ND	165	82.4	200	3.92	
EXT DRO >C28-C36	24.8	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 82.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.2 % 49.1-148

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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:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 92 @ 2' (H233976-15)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.13	106	2.00	0.378		
Toluene*	<0.050	0.050	08/04/2023	ND	2.07	104	2.00	4.27		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	2.08	104	2.00	7.42		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	6.11	102	6.00	10.4		
Total BTEx	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 85.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	08/02/2023	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	08/02/2023	ND	163	81.3	200	0.231	
DRO >C10-C28*	466	10.0	08/02/2023	ND	165	82.4	200	3.92	
EXT DRO >C28-C36	92.3	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 79.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.5 % 49.1-148

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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:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 93 @ 2' (H233976-16)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.13	106	2.00	0.378		
Toluene*	<0.050	0.050	08/04/2023	ND	2.07	104	2.00	4.27		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	2.08	104	2.00	7.42		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	6.11	102	6.00	10.4		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	08/02/2023	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	08/02/2023	ND	163	81.3	200	0.231	
DRO >C10-C28*	166	10.0	08/02/2023	ND	165	82.4	200	3.92	
EXT DRO >C28-C36	29.7	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 80.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.4 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 94 @ 2' (H233976-17)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.13	106	2.00	0.378		
Toluene*	<0.050	0.050	08/04/2023	ND	2.07	104	2.00	4.27		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	2.08	104	2.00	7.42		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	6.11	102	6.00	10.4		
Total BTEx	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	08/02/2023	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	08/02/2023	ND	163	81.3	200	0.231	
DRO >C10-C28*	130	10.0	08/02/2023	ND	165	82.4	200	3.92	
EXT DRO >C28-C36	24.3	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 79.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.7 % 49.1-148

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Analytical Results For:

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Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 95 @ 2' (H233976-18)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.13	106	2.00	0.378		
Toluene*	<0.050	0.050	08/04/2023	ND	2.07	104	2.00	4.27		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	2.08	104	2.00	7.42		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	6.11	102	6.00	10.4		
Total BTEx	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	08/02/2023	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	08/02/2023	ND	163	81.3	200	0.231	
DRO >C10-C28*	167	10.0	08/02/2023	ND	165	82.4	200	3.92	
EXT DRO >C28-C36	27.1	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 90.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.4 % 49.1-148

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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:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 96 @ 2' (H233976-19)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.13	106	2.00	0.378		
Toluene*	<0.050	0.050	08/04/2023	ND	2.07	104	2.00	4.27		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	2.08	104	2.00	7.42		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	6.11	102	6.00	10.4		
Total BTEx	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	08/02/2023	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	08/02/2023	ND	163	81.3	200	0.231	
DRO >C10-C28*	513	10.0	08/02/2023	ND	165	82.4	200	3.92	
EXT DRO >C28-C36	98.5	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 85.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.0 % 49.1-148

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Analytical Results For:

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Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 97 @ 2' (H233976-20)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.13	106	2.00	0.378		
Toluene*	<0.050	0.050	08/04/2023	ND	2.07	104	2.00	4.27		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	2.08	104	2.00	7.42		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	6.11	102	6.00	10.4		
Total BTEx	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	08/02/2023	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	08/02/2023	ND	163	81.3	200	0.231	
DRO >C10-C28*	110	10.0	08/02/2023	ND	165	82.4	200	3.92	
EXT DRO >C28-C36	19.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 84.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.0 % 49.1-148

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Analytical Results For:

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Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 98 @ 2' (H233976-21)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.13	106	2.00	0.378		
Toluene*	<0.050	0.050	08/04/2023	ND	2.07	104	2.00	4.27		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	2.08	104	2.00	7.42		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	6.11	102	6.00	10.4		
Total BTEx	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	08/02/2023	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	08/02/2023	ND	163	81.3	200	0.231	
DRO >C10-C28*	125	10.0	08/02/2023	ND	165	82.4	200	3.92	
EXT DRO >C28-C36	23.8	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 75.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.8 % 49.1-148

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Analytical Results For:

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Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 99 @ 2' (H233976-22)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.13	106	2.00	0.378		
Toluene*	<0.050	0.050	08/04/2023	ND	2.07	104	2.00	4.27		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	2.08	104	2.00	7.42		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	6.11	102	6.00	10.4		
Total BTEx	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	08/02/2023	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	08/02/2023	ND	163	81.3	200	0.231	
DRO >C10-C28*	163	10.0	08/02/2023	ND	165	82.4	200	3.92	
EXT DRO >C28-C36	38.8	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 95.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.6 % 49.1-148

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Analytical Results For:

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Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 100 @ 2' (H233976-23)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.13	106	2.00	0.378		
Toluene*	<0.050	0.050	08/04/2023	ND	2.07	104	2.00	4.27		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	2.08	104	2.00	7.42		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	6.11	102	6.00	10.4		
Total BTEx	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	08/02/2023	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	08/02/2023	ND	163	81.3	200	0.231	
DRO >C10-C28*	140	10.0	08/02/2023	ND	165	82.4	200	3.92	
EXT DRO >C28-C36	29.4	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 91.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.4 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 101 @ 2' (H233976-24)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.13	106	2.00	0.378		
Toluene*	<0.050	0.050	08/04/2023	ND	2.07	104	2.00	4.27		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	2.08	104	2.00	7.42		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	6.11	102	6.00	10.4		
Total BTEx	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	08/02/2023	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	08/02/2023	ND	163	81.3	200	0.231	
DRO >C10-C28*	147	10.0	08/02/2023	ND	165	82.4	200	3.92	
EXT DRO >C28-C36	18.8	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 80.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.4 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 102 @ 2' (H233976-25)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.13	106	2.00	0.378		
Toluene*	<0.050	0.050	08/04/2023	ND	2.07	104	2.00	4.27		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	2.08	104	2.00	7.42		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	6.11	102	6.00	10.4		
Total BTEx	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/02/2023	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	08/02/2023	ND	166	83.2	200	1.03	
DRO >C10-C28*	78.8	10.0	08/02/2023	ND	183	91.3	200	1.13	
EXT DRO >C28-C36	24.7	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 89.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Analytical Results For:

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Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 103 @ 2' (H233976-26)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.13	106	2.00	0.378		
Toluene*	<0.050	0.050	08/04/2023	ND	2.07	104	2.00	4.27		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	2.08	104	2.00	7.42		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	6.11	102	6.00	10.4		
Total BTEx	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	08/02/2023	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	08/02/2023	ND	166	83.2	200	1.03	
DRO >C10-C28*	147	10.0	08/02/2023	ND	183	91.3	200	1.13	
EXT DRO >C28-C36	30.4	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 94.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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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:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 104 @ 2' (H233976-27)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/04/2023	ND	2.13	106	2.00	0.378	
Toluene*	<0.050	0.050	08/04/2023	ND	2.07	104	2.00	4.27	
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	2.08	104	2.00	7.42	
Total Xylenes*	<0.150	0.150	08/04/2023	ND	6.11	102	6.00	10.4	
Total BTEx	<0.300	0.300	08/04/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	08/02/2023	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	08/02/2023	ND	166	83.2	200	1.03	
DRO >C10-C28*	498	10.0	08/02/2023	ND	183	91.3	200	1.13	
EXT DRO >C28-C36	122	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 146 % 49.1-148

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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:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 105 @ 2' (H233976-28)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/02/2023	ND	2.17	108	2.00	2.83		
Toluene*	<0.050	0.050	08/02/2023	ND	2.11	106	2.00	3.26		
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.02	101	2.00	3.11		
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.07	101	6.00	3.81		
Total BTX	<0.300	0.300	08/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	08/02/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	166	83.2	200	1.03	
DRO >C10-C28*	161	10.0	08/02/2023	ND	183	91.3	200	1.13	
EXT DRO >C28-C36	33.3	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 93.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 106 @ 2' (H233976-29)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.17	108	2.00	2.83	
Toluene*	<0.050	0.050	08/02/2023	ND	2.11	106	2.00	3.26	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.02	101	2.00	3.11	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.07	101	6.00	3.81	
Total BTX	<0.300	0.300	08/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	08/02/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	166	83.2	200	1.03	
DRO >C10-C28*	126	10.0	08/02/2023	ND	183	91.3	200	1.13	
EXT DRO >C28-C36	48.7	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Analytical Results For:

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Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 107 @ 2' (H233976-30)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/02/2023	ND	2.17	108	2.00	2.83		
Toluene*	<0.050	0.050	08/02/2023	ND	2.11	106	2.00	3.26		
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.02	101	2.00	3.11		
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.07	101	6.00	3.81		
Total BTX	<0.300	0.300	08/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	08/02/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	166	83.2	200	1.03	
DRO >C10-C28*	228	10.0	08/02/2023	ND	183	91.3	200	1.13	
EXT DRO >C28-C36	67.2	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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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:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 108 @ 2' (H233976-31)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/02/2023	ND	2.17	108	2.00	2.83		
Toluene*	<0.050	0.050	08/02/2023	ND	2.11	106	2.00	3.26		
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.02	101	2.00	3.11		
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.07	101	6.00	3.81		
Total BTX	<0.300	0.300	08/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	08/02/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	166	83.2	200	1.03	
DRO >C10-C28*	158	10.0	08/02/2023	ND	183	91.3	200	1.13	
EXT DRO >C28-C36	54.5	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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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:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 109 @ 2' (H233976-32)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/02/2023	ND	2.17	108	2.00	2.83		
Toluene*	<0.050	0.050	08/02/2023	ND	2.11	106	2.00	3.26		
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.02	101	2.00	3.11		
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.07	101	6.00	3.81		
Total BTX	<0.300	0.300	08/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	08/02/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	166	83.2	200	1.03	
DRO >C10-C28*	63.4	10.0	08/02/2023	ND	183	91.3	200	1.13	
EXT DRO >C28-C36	22.2	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 81.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.0 % 49.1-148

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Analytical Results For:

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

Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 110 @ 2' (H233976-33)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.17	108	2.00	2.83	
Toluene*	<0.050	0.050	08/02/2023	ND	2.11	106	2.00	3.26	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.02	101	2.00	3.11	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.07	101	6.00	3.81	
Total BTX	<0.300	0.300	08/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	08/02/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	166	83.2	200	1.03	
DRO >C10-C28*	129	10.0	08/02/2023	ND	183	91.3	200	1.13	
EXT DRO >C28-C36	24.8	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 98.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Analytical Results For:

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

Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 111 @ 2' (H233976-34)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/02/2023	ND	2.00	100	2.00	1.47		
Toluene*	<0.050	0.050	08/02/2023	ND	1.93	96.3	2.00	0.918		
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	1.98	99.2	2.00	0.773		
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.03	101	6.00	0.992		
Total BTEx	<0.300	0.300	08/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	08/02/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	166	83.2	200	1.03	
DRO >C10-C28*	67.6	10.0	08/02/2023	ND	183	91.3	200	1.13	
EXT DRO >C28-C36	22.8	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 94.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 112 @ 2' (H233976-35)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/02/2023	ND	2.00	100	2.00	1.47		
Toluene*	<0.050	0.050	08/02/2023	ND	1.93	96.3	2.00	0.918		
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	1.98	99.2	2.00	0.773		
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.03	101	6.00	0.992		
Total BTEx	<0.300	0.300	08/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	08/02/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	166	83.2	200	1.03	
DRO >C10-C28*	59.9	10.0	08/02/2023	ND	183	91.3	200	1.13	
EXT DRO >C28-C36	13.4	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 70.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.0 % 49.1-148

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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:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 113 @ 2' (H233976-36)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/02/2023	ND	2.00	100	2.00	1.47		
Toluene*	<0.050	0.050	08/02/2023	ND	1.93	96.3	2.00	0.918		
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	1.98	99.2	2.00	0.773		
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.03	101	6.00	0.992		
Total BTEx	<0.300	0.300	08/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	08/02/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	166	83.2	200	1.03	
DRO >C10-C28*	150	10.0	08/02/2023	ND	183	91.3	200	1.13	
EXT DRO >C28-C36	38.6	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 122 % 48.2-134

Surrogate: 1-Chlorooctadecane 146 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 114 @ 2' (H233976-37)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/02/2023	ND	2.00	100	2.00	1.47		
Toluene*	<0.050	0.050	08/02/2023	ND	1.93	96.3	2.00	0.918		
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	1.98	99.2	2.00	0.773		
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.03	101	6.00	0.992		
Total BTX	<0.300	0.300	08/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	08/02/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	166	83.2	200	1.03	
DRO >C10-C28*	646	10.0	08/02/2023	ND	183	91.3	200	1.13	
EXT DRO >C28-C36	161	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 166 % 49.1-148

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Analytical Results For:

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

Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 115 @ 2' (H233976-38)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/02/2023	ND	2.00	100	2.00	1.47		
Toluene*	<0.050	0.050	08/02/2023	ND	1.93	96.3	2.00	0.918		
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	1.98	99.2	2.00	0.773		
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.03	101	6.00	0.992		
Total BTEx	<0.300	0.300	08/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	08/02/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	166	83.2	200	1.03	
DRO >C10-C28*	622	10.0	08/02/2023	ND	183	91.3	200	1.13	
EXT DRO >C28-C36	171	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 126 % 48.2-134

Surrogate: 1-Chlorooctadecane 143 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 116 @ 2' (H233976-39)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/02/2023	ND	2.00	100	2.00	1.47		
Toluene*	<0.050	0.050	08/02/2023	ND	1.93	96.3	2.00	0.918		
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	1.98	99.2	2.00	0.773		
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.03	101	6.00	0.992		
Total BTEx	<0.300	0.300	08/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	08/02/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	166	83.2	200	1.03	
DRO >C10-C28*	99.2	10.0	08/02/2023	ND	183	91.3	200	1.13	
EXT DRO >C28-C36	32.5	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 148 % 49.1-148

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 Fax To: (575) 397-0397

Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 117 @ 2' (H233976-40)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.03	101	2.00	3.20		
Toluene*	<0.050	0.050	08/04/2023	ND	1.97	98.3	2.00	1.65		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	2.00	100	2.00	3.00		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.97	99.6	6.00	3.19		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	08/02/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	166	83.2	200	1.03	
DRO >C10-C28*	720	10.0	08/02/2023	ND	183	91.3	200	1.13	
EXT DRO >C28-C36	199	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 135 % 48.2-134

Surrogate: 1-Chlorooctadecane 186 % 49.1-148

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Analytical Results For:

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

Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 118 @ 2' (H233976-41)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.03	101	2.00	3.20		
Toluene*	<0.050	0.050	08/04/2023	ND	1.97	98.3	2.00	1.65		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	2.00	100	2.00	3.00		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.97	99.6	6.00	3.19		
Total BTEx	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	08/02/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	166	83.2	200	1.03	
DRO >C10-C28*	655	10.0	08/02/2023	ND	183	91.3	200	1.13	
EXT DRO >C28-C36	189	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 130 % 48.2-134

Surrogate: 1-Chlorooctadecane 145 % 49.1-148

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Analytical Results For:

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

Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 119 @ 2' (H233976-42)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.03	101	2.00	3.20		
Toluene*	<0.050	0.050	08/04/2023	ND	1.97	98.3	2.00	1.65		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	2.00	100	2.00	3.00		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.97	99.6	6.00	3.19		
Total BTEx	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	08/02/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	166	83.2	200	1.03	
DRO >C10-C28*	51.3	10.0	08/02/2023	ND	183	91.3	200	1.13	
EXT DRO >C28-C36	17.4	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 131 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 120 @ 2' (H233976-43)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.03	101	2.00	3.20		
Toluene*	<0.050	0.050	08/04/2023	ND	1.97	98.3	2.00	1.65		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	2.00	100	2.00	3.00		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.97	99.6	6.00	3.19		
Total BTEx	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	08/02/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	166	83.2	200	1.03	
DRO >C10-C28*	54.0	10.0	08/02/2023	ND	183	91.3	200	1.13	
EXT DRO >C28-C36	13.1	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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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:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 121 @ 2' (H233976-44)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.03	101	2.00	3.20		
Toluene*	<0.050	0.050	08/04/2023	ND	1.97	98.3	2.00	1.65		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	2.00	100	2.00	3.00		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.97	99.6	6.00	3.19		
Total BTEx	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	08/02/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	166	83.2	200	1.03	
DRO >C10-C28*	168	10.0	08/02/2023	ND	183	91.3	200	1.13	
EXT DRO >C28-C36	46.2	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 122 @ 2' (H233976-45)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.03	101	2.00	3.20		
Toluene*	<0.050	0.050	08/04/2023	ND	1.97	98.3	2.00	1.65		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	2.00	100	2.00	3.00		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.97	99.6	6.00	3.19		
Total BTEx	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	08/02/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	176	88.1	200	1.42	
DRO >C10-C28*	163	10.0	08/02/2023	ND	173	86.7	200	2.58	
EXT DRO >C28-C36	41.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 123 @ 2' (H233976-46)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.03	101	2.00	3.20		
Toluene*	<0.050	0.050	08/04/2023	ND	1.97	98.3	2.00	1.65		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	2.00	100	2.00	3.00		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.97	99.6	6.00	3.19		
Total BTEx	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/02/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	176	88.1	200	1.42	
DRO >C10-C28*	109	10.0	08/02/2023	ND	173	86.7	200	2.58	
EXT DRO >C28-C36	25.8	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 124 @ 2' (H233976-47)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.03	101	2.00	3.20		
Toluene*	<0.050	0.050	08/04/2023	ND	1.97	98.3	2.00	1.65		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	2.00	100	2.00	3.00		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.97	99.6	6.00	3.19		
Total BTEx	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	08/02/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	176	88.1	200	1.42	
DRO >C10-C28*	127	10.0	08/02/2023	ND	173	86.7	200	2.58	
EXT DRO >C28-C36	30.4	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 90.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 125 @ 2' (H233976-48)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.03	101	2.00	3.20		
Toluene*	<0.050	0.050	08/04/2023	ND	1.97	98.3	2.00	1.65		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	2.00	100	2.00	3.00		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.97	99.6	6.00	3.19		
Total BTEx	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	08/02/2023	ND	448	112	400	3.64		

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	08/02/2023	ND	176	88.1	200	1.42	
DRO >C10-C28*	270	10.0	08/02/2023	ND	173	86.7	200	2.58	
EXT DRO >C28-C36	71.8	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Analytical Results For:

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

Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 126 @ 2' (H233976-49)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/04/2023	ND	2.03	101	2.00	3.20	
Toluene*	<0.050	0.050	08/04/2023	ND	1.97	98.3	2.00	1.65	
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	2.00	100	2.00	3.00	
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.97	99.6	6.00	3.19	
Total BTX	<0.300	0.300	08/04/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	08/02/2023	ND	448	112	400	3.64	

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	08/02/2023	ND	176	88.1	200	1.42	
DRO >C10-C28*	222	10.0	08/02/2023	ND	173	86.7	200	2.58	
EXT DRO >C28-C36	66.5	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 84.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.7 % 49.1-148

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Analytical Results For:

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

Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 127 @ 2' (H233976-50)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.03	101	2.00	3.20		
Toluene*	<0.050	0.050	08/04/2023	ND	1.97	98.3	2.00	1.65		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	2.00	100	2.00	3.00		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.97	99.6	6.00	3.19		
Total BTEx	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	08/02/2023	ND	448	112	400	3.64		

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	08/02/2023	ND	176	88.1	200	1.42	
DRO >C10-C28*	75.1	10.0	08/02/2023	ND	173	86.7	200	2.58	
EXT DRO >C28-C36	20.8	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 78.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.3 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 128 @ 2' (H233976-51)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.03	101	2.00	3.20		
Toluene*	<0.050	0.050	08/04/2023	ND	1.97	98.3	2.00	1.65		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	2.00	100	2.00	3.00		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.97	99.6	6.00	3.19		
Total BTEx	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	08/02/2023	ND	448	112	400	3.64		

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	08/02/2023	ND	176	88.1	200	1.42	
DRO >C10-C28*	221	10.0	08/02/2023	ND	173	86.7	200	2.58	
EXT DRO >C28-C36	60.3	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 89.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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

Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 129 @ 2' (H233976-52)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.03	101	2.00	3.20		
Toluene*	<0.050	0.050	08/04/2023	ND	1.97	98.3	2.00	1.65		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	2.00	100	2.00	3.00		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.97	99.6	6.00	3.19		
Total BTEx	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	08/02/2023	ND	448	112	400	3.64		

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	08/02/2023	ND	176	88.1	200	1.42	
DRO >C10-C28*	102	10.0	08/02/2023	ND	173	86.7	200	2.58	
EXT DRO >C28-C36	28.9	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 80.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.3 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 130 @ 2' (H233976-53)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.03	101	2.00	3.20		
Toluene*	<0.050	0.050	08/04/2023	ND	1.97	98.3	2.00	1.65		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	2.00	100	2.00	3.00		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.97	99.6	6.00	3.19		
Total BTEx	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	08/02/2023	ND	448	112	400	3.64		

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	08/02/2023	ND	176	88.1	200	1.42	
DRO >C10-C28*	82.3	10.0	08/02/2023	ND	173	86.7	200	2.58	
EXT DRO >C28-C36	20.8	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 82.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.6 % 49.1-148

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Analytical Results For:

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Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 131 @ 2' (H233976-54)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.03	101	2.00	3.20		
Toluene*	<0.050	0.050	08/04/2023	ND	1.97	98.3	2.00	1.65		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	2.00	100	2.00	3.00		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.97	99.6	6.00	3.19		
Total BTEx	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	08/02/2023	ND	448	112	400	3.64		

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	08/02/2023	ND	176	88.1	200	1.42	
DRO >C10-C28*	183	10.0	08/02/2023	ND	173	86.7	200	2.58	
EXT DRO >C28-C36	46.2	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 75.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.3 % 49.1-148

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Analytical Results For:

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Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 132 @ 2' (H233976-55)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.16	108	2.00	1.41		
Toluene*	<0.050	0.050	08/04/2023	ND	2.10	105	2.00	0.438		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.98	99.0	2.00	2.13		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.94	99.0	6.00	2.50		
Total BTX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	08/02/2023	ND	448	112	400	3.64		

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	08/02/2023	ND	176	88.1	200	1.42	
DRO >C10-C28*	243	10.0	08/02/2023	ND	173	86.7	200	2.58	
EXT DRO >C28-C36	67.9	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 85.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Analytical Results For:

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Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 133 @ 2' (H233976-56)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.16	108	2.00	1.41		
Toluene*	<0.050	0.050	08/04/2023	ND	2.10	105	2.00	0.438		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.98	99.0	2.00	2.13		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.94	99.0	6.00	2.50		
Total BTX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	08/02/2023	ND	448	112	400	3.64		

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	08/02/2023	ND	176	88.1	200	1.42	
DRO >C10-C28*	73.5	10.0	08/02/2023	ND	173	86.7	200	2.58	
EXT DRO >C28-C36	18.4	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 94.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Analytical Results For:

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Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 134 @ 2' (H233976-57)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.16	108	2.00	1.41		
Toluene*	<0.050	0.050	08/04/2023	ND	2.10	105	2.00	0.438		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.98	99.0	2.00	2.13		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.94	99.0	6.00	2.50		
Total BTX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	08/02/2023	ND	448	112	400	3.64		

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	08/02/2023	ND	176	88.1	200	1.42	
DRO >C10-C28*	65.4	10.0	08/02/2023	ND	173	86.7	200	2.58	
EXT DRO >C28-C36	16.4	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 87.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.3 % 49.1-148

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Analytical Results For:

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Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 135 @ 2' (H233976-58)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.16	108	2.00	1.41		
Toluene*	<0.050	0.050	08/04/2023	ND	2.10	105	2.00	0.438		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.98	99.0	2.00	2.13		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.94	99.0	6.00	2.50		
Total BTX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	08/02/2023	ND	448	112	400	3.64		

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	08/02/2023	ND	176	88.1	200	1.42	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	173	86.7	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 85.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.7 % 49.1-148

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Analytical Results For:

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Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 136 @ 2' (H233976-59)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.16	108	2.00	1.41		
Toluene*	<0.050	0.050	08/04/2023	ND	2.10	105	2.00	0.438		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.98	99.0	2.00	2.13		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.94	99.0	6.00	2.50		
Total BTEx	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/02/2023	ND	448	112	400	3.64		

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	08/02/2023	ND	176	88.1	200	1.42	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	173	86.7	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 74.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.8 % 49.1-148

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Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 137 @ 2' (H233976-60)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/04/2023	ND	2.16	108	2.00	1.41	
Toluene*	<0.050	0.050	08/04/2023	ND	2.10	105	2.00	0.438	
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.98	99.0	2.00	2.13	
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.94	99.0	6.00	2.50	
Total BTX	<0.300	0.300	08/04/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/02/2023	ND	448	112	400	3.64	

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	08/02/2023	ND	176	88.1	200	1.42	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	173	86.7	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 76.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.6 % 49.1-148

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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:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 138 @ 2' (H233976-61)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.16	108	2.00	1.41		
Toluene*	<0.050	0.050	08/04/2023	ND	2.10	105	2.00	0.438		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.98	99.0	2.00	2.13		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.94	99.0	6.00	2.50		
Total BTX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/02/2023	ND	448	112	400	3.64		

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	08/02/2023	ND	176	88.1	200	1.42	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	173	86.7	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 80.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.5 % 49.1-148

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Analytical Results For:

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

Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 139 @ 2' (H233976-62)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.16	108	2.00	1.41		
Toluene*	<0.050	0.050	08/04/2023	ND	2.10	105	2.00	0.438		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.98	99.0	2.00	2.13		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.94	99.0	6.00	2.50		
Total BTX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	08/02/2023	ND	448	112	400	3.64		

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	08/02/2023	ND	176	88.1	200	1.42	
DRO >C10-C28*	177	10.0	08/02/2023	ND	173	86.7	200	2.58	
EXT DRO >C28-C36	52.2	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 77.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.4 % 49.1-148

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Analytical Results For:

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

Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 140 @ 2' (H233976-63)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.16	108	2.00	1.41		
Toluene*	<0.050	0.050	08/04/2023	ND	2.10	105	2.00	0.438		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.98	99.0	2.00	2.13		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.94	99.0	6.00	2.50		
Total BTX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/02/2023	ND	448	112	400	3.64		

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	08/02/2023	ND	176	88.1	200	1.42	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	173	86.7	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 76.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.3 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 141 @ 2' (H233976-64)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.16	108	2.00	1.41		
Toluene*	<0.050	0.050	08/04/2023	ND	2.10	105	2.00	0.438		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.98	99.0	2.00	2.13		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.94	99.0	6.00	2.50		
Total BTX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	08/02/2023	ND	448	112	400	3.64		

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	08/02/2023	ND	176	88.1	200	1.42	
DRO >C10-C28*	669	10.0	08/02/2023	ND	173	86.7	200	2.58	
EXT DRO >C28-C36	164	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 75.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 142 @ 2' (H233976-65)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.16	108	2.00	1.41		
Toluene*	<0.050	0.050	08/04/2023	ND	2.10	105	2.00	0.438		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.98	99.0	2.00	2.13		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.94	99.0	6.00	2.50		
Total BTX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/02/2023	ND	448	112	400	3.64		

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	08/02/2023	ND	170	85.0	200	5.51	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	184	92.0	200	6.21	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 94.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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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:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 143 @ 2' (H233976-66)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/04/2023	ND	2.16	108	2.00	1.41	
Toluene*	<0.050	0.050	08/04/2023	ND	2.10	105	2.00	0.438	
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.98	99.0	2.00	2.13	
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.94	99.0	6.00	2.50	
Total BTEx	<0.300	0.300	08/04/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	08/02/2023	ND	448	112	400	3.64		

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	08/02/2023	ND	170	85.0	200	5.51	
DRO >C10-C28*	236	10.0	08/02/2023	ND	184	92.0	200	6.21	
EXT DRO >C28-C36	61.8	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 98.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Analytical Results For:

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

Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 144 @ 2' (H233976-67)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.16	108	2.00	1.41		
Toluene*	<0.050	0.050	08/04/2023	ND	2.10	105	2.00	0.438		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.98	99.0	2.00	2.13		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.94	99.0	6.00	2.50		
Total BTX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/02/2023	ND	448	112	400	3.64		

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	08/02/2023	ND	170	85.0	200	5.51	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	184	92.0	200	6.21	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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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:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 145 @ 2' (H233976-68)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.16	108	2.00	1.41		
Toluene*	<0.050	0.050	08/04/2023	ND	2.10	105	2.00	0.438		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.98	99.0	2.00	2.13		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.94	99.0	6.00	2.50		
Total BTX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	08/02/2023	ND	432	108	400	3.64		

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	08/02/2023	ND	170	85.0	200	5.51	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	184	92.0	200	6.21	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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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:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 146 @ 2' (H233976-69)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.16	108	2.00	1.41		
Toluene*	<0.050	0.050	08/04/2023	ND	2.10	105	2.00	0.438		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.98	99.0	2.00	2.13		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.94	99.0	6.00	2.50		
Total BTX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	08/02/2023	ND	432	108	400	3.64		

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	08/02/2023	ND	170	85.0	200	5.51	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	184	92.0	200	6.21	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 82.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.6 % 49.1-148

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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:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 147 @ 2' (H233976-70)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.16	108	2.00	1.41		
Toluene*	<0.050	0.050	08/04/2023	ND	2.10	105	2.00	0.438		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.98	99.0	2.00	2.13		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.94	99.0	6.00	2.50		
Total BTX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/02/2023	ND	432	108	400	3.64		

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	08/02/2023	ND	170	85.0	200	5.51	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	184	92.0	200	6.21	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 81.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.2 % 49.1-148

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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:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 148 @ 2' (H233976-71)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.16	108	2.00	1.41		
Toluene*	<0.050	0.050	08/04/2023	ND	2.10	105	2.00	0.438		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.98	99.0	2.00	2.13		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.94	99.0	6.00	2.50		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/02/2023	ND	432	108	400	3.64		

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	08/02/2023	ND	170	85.0	200	5.51	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	184	92.0	200	6.21	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 97.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Analytical Results For:

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

Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 149 @ 2' (H233976-72)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.16	108	2.00	1.41		
Toluene*	<0.050	0.050	08/04/2023	ND	2.10	105	2.00	0.438		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.98	99.0	2.00	2.13		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.94	99.0	6.00	2.50		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	08/02/2023	ND	432	108	400	3.64		

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	08/02/2023	ND	170	85.0	200	5.51	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	184	92.0	200	6.21	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 69.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.8 % 49.1-148

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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:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 15 (H233976-73)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.16	108	2.00	1.41		
Toluene*	<0.050	0.050	08/04/2023	ND	2.10	105	2.00	0.438		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.98	99.0	2.00	2.13		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.94	99.0	6.00	2.50		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	08/02/2023	ND	432	108	400	3.64		

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	08/02/2023	ND	170	85.0	200	5.51	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	184	92.0	200	6.21	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 98.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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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:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 16 (H233976-74)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/04/2023	ND	2.16	108	2.00	1.41	
Toluene*	<0.050	0.050	08/04/2023	ND	2.10	105	2.00	0.438	
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.98	99.0	2.00	2.13	
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.94	99.0	6.00	2.50	
Total BTX	<0.300	0.300	08/04/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/02/2023	ND	432	108	400	3.64	

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	08/02/2023	ND	170	85.0	200	5.51	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	184	92.0	200	6.21	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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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:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 17 (H233976-75)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	1.92	95.8	2.00	5.81		
Toluene*	<0.050	0.050	08/03/2023	ND	2.07	103	2.00	4.26		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.22	111	2.00	3.03		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.82	114	6.00	2.25		
Total BTEx	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	08/02/2023	ND	432	108	400	3.64		

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	08/02/2023	ND	170	85.0	200	5.51	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	184	92.0	200	6.21	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 82.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.5 % 49.1-148

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Analytical Results For:

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

Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 18 (H233976-76)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	1.92	95.8	2.00	5.81		
Toluene*	<0.050	0.050	08/03/2023	ND	2.07	103	2.00	4.26		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.22	111	2.00	3.03		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.82	114	6.00	2.25		
Total BTEX	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	08/02/2023	ND	432	108	400	3.64		

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	08/02/2023	ND	170	85.0	200	5.51	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	184	92.0	200	6.21	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 91.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.5 % 49.1-148

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Analytical Results For:

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

Received:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 19 (H233976-77)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	1.92	95.8	2.00	5.81		
Toluene*	<0.050	0.050	08/03/2023	ND	2.07	103	2.00	4.26		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.22	111	2.00	3.03		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.82	114	6.00	2.25		
Total BTEx	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	08/02/2023	ND	432	108	400	3.64		

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	08/02/2023	ND	170	85.0	200	5.51	
DRO >C10-C28*	40.1	10.0	08/02/2023	ND	184	92.0	200	6.21	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 84.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.9 % 49.1-148

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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:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 20 (H233976-78)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	1.92	95.8	2.00	5.81	
Toluene*	<0.050	0.050	08/03/2023	ND	2.07	103	2.00	4.26	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.22	111	2.00	3.03	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.82	114	6.00	2.25	
Total BTEx	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	08/02/2023	ND	432	108	400	3.64	

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	08/02/2023	ND	170	85.0	200	5.51	
DRO >C10-C28*	83.6	10.0	08/02/2023	ND	184	92.0	200	6.21	
EXT DRO >C28-C36	18.9	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 94.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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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:	07/27/2023	Sampling Date:	07/25/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	WHOMPING WILLOW CTB 11-11-22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 21 (H233976-79)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	1.92	95.8	2.00	5.81	
Toluene*	<0.050	0.050	08/03/2023	ND	2.07	103	2.00	4.26	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.22	111	2.00	3.03	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.82	114	6.00	2.25	
Total BTEx	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	08/02/2023	ND	432	108	400	3.64		

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	08/02/2023	ND	170	85.0	200	5.51	
DRO >C10-C28*	105	10.0	08/02/2023	ND	184	92.0	200	6.21	
EXT DRO >C28-C36	26.4	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 96.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
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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(505) 393-2326 FAX (505) 393-2476

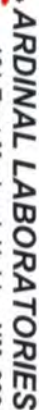
CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO				ANALYSIS REQUEST				
Company Name: BBC International, Inc.				P.O. #:				
Project Manager: Cliff Brunson				Company: Oxy				
Address: P.O. Box 805				Attn:				
City: Hobbs				State: NM Zip: 88241				
Phone #: 575-397-6388				Fax #: 575-397-0397				
Project #:				Project Owner: Oxy				
Project Name: WHOMPING WILLOW CTB (11/11/22)				City:				
Project Location: New Mexico				State: Zip:				
Sample Name: ROGER HERNADEZ				Phone #:				
FOR LAB USE ONLY				Fax #:				
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS	MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER :	PRESERV	SAMPLING	DATE	TIME	
H2339176	BOTTOM SAMPLE 78@2'	1	✓	✓		7/25/23	7:50AM	Chloride
	BOTTOM SMAPLE 79@2'	1	✓	✓		7/25/23	7:55AM	BTEX
	BOTTOM SAMPLE 80@2'	1	✓	✓		7/25/23	8:00AM	TPH EXT
	BOTTOM SAMPLE 81@2'	1	✓	✓		7/25/23	8:05AM	
	BOTTOM SAMPLE 82@2'	1	✓	✓		7/25/23	8:10AM	
	BOTTOM SAMPLE 83@2'	1	✓	✓		7/25/23	8:15AM	
	BOTTOM SAMPLE 84@2'	1	✓	✓		7/25/23	8:20AM	
	BOTTOM SAMPLE 85@2'	1	✓	✓		7/25/23	8:25AM	
	BOTTOM SAMPLE 86@2'	1	✓	✓		7/25/23	8:30AM	
	BOTTOM SAMPLE 87@2'	1	✓	✓		7/25/23	8:35AM	

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Relinquished By: [Signature]	Date Received By: 7/27/23	Time: 10:08 AM	Received By: [Signature]
Relinquished By: [Signature]	Date: [Blank]	Time: [Blank]	Received By: [Blank]

Delivered By: (Circle One) Sampler - UPS - Bus - Other: #140	-94	Sample Condition <input checked="" type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: [Signature] (Initials)
REMARKS:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #: [Blank]	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No



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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 Fax #: 575-397-0397				Address:											
Project #:				City:											
Project Name: WHOMPING WILLOW CTB (11/11/22)				State: Zip:											
Project Location: New Mexico				Phone #:											
Sampler Name: ROGER HERNADEZ				Fax #:											
<small>FOR LAB USE ONLY</small>															
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	Chloride	BTEX	TPHEXT				
							7/25/23	9:30AM	✓	✓	✓				
							7/25/23	9:35AM	✓	✓	✓				
							7/25/23	9:40AM	✓	✓	✓				
							7/25/23	9:45AM	✓	✓	✓				
							7/25/23	9:50AM	✓	✓	✓				
							7/25/23	9:55AM	✓	✓	✓				
							7/25/23	10:00AM	✓	✓	✓				
							7/25/23	10:05AM	✓	✓	✓				
							7/25/23	10:10AM	✓	✓	✓				
							7/25/23	10:15AM	✓	✓	✓				
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Relinquished By:				Date:				Received By:				Phone Result:			
Relinquished By:				Date:				Received By:				Phone Result:			
Delivered By: (Circle One)				Sample Condition				CHECKED BY:							
Sampler - UPS - Bus - Other:				Cool Intact				Initials							

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc. Project Manager: Cliff Brunson Address: P.O. Box 805 City: Hobbs Phone #: 575-397-6388 Project #: Project Name: WHOMPING WILLOW CTB (11/11/22) Project Location: New Mexico Sampler Name: ROGER HERNADEZ				P.O. #: Company: Oxy Attn: Address: City: State: Zip:			
FOR LAB USE ONLY				Lab I.D. Sample I.D.			
BOTTOM SAMPLE 108@2' BOTTOM SAMPLE 109@2' BOTTOM SAMPLE 110@2' BOTTOM SAMPLE 111@2' BOTTOM SAMPLE 112@2' BOTTOM SAMPLE 113@2' BOTTOM SAMPLE 114@2' BOTTOM SAMPLE 115@2' BOTTOM SAMPLE 116@2' BOTTOM SAMPLE 117@2'				(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :			
DATE TIME				MATRIX PRESERV SAMPLING			
7/25/23 10:20AM 7/25/23 10:25AM 7/25/23 10:30AM 7/25/23 10:35AM 7/25/23 10:40AM 7/25/23 10:45AM 7/25/23 10:50AM 7/25/23 10:55AM 7/25/23 11:00AM 7/25/23 11:05AM				Chloride BTEX TPH/EXT			
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Delivered By: (Circle One) - 9:40 Sampler - UPS - Bus - Other: #1140				Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>			
Received By: Received By: Time: Date: Time:				REMARKS: Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> 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:											
Phone #: 575-397-6388				Address:											
Fax #: 575-397-0397				City:											
Project #:				State:				Zip:							
Project Name: WHOMPING WILLOW CTB (11/11/22)				Phone #:											
Project Location: New Mexico				Fax #:											
Sampler Name: ROGER HERNADEZ															
<small>FOR LAB USE ONLY</small>															
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV		SAMPLING			
								<input type="checkbox"/> GROUNDWATER <input type="checkbox"/> WASTEWATER <input checked="" type="checkbox"/> SOIL <input type="checkbox"/> OIL <input type="checkbox"/> SLUDGE <input type="checkbox"/> OTHER :							
								<input type="checkbox"/> ACID/BASE: <input type="checkbox"/> ICE / COOL <input type="checkbox"/> OTHER :							
										DATE		TIME			
H233976		BOTTOM SAMPLE 118@2'		G		1				7/25/23		11:10AM			
41		BOTTOM SMAPLE 119@2'								7/25/23		11:15AM			
43		BOTTOM SAMPLE 120@2'								7/25/23		11:20AM			
44		BOTTOM SAMPLE 121@2'								7/25/23		11:25AM			
45		BOTTOM SAMPLE 122@2'								7/25/23		11:30AM			
46		BOTTOM SAMPLE 123@2'								7/25/23		11:35AM			
47		BOTTOM SAMPLE 124@2'								7/25/23		11:40AM			
48		BOTTOM SAMPLE 125@2'								7/25/23		11:45AM			
49		BOTTOM SAMPLE 126@2'								7/25/23		11:50AM			
50		BOTTOM SAMPLE 127@2'								7/25/23		11:55AM			
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Relinquished By:				Date: 7/14/23				Received By:				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:			
Relinquished By:				Date: 7/10/23				Received By:				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:			
Delivered By: (Circle One) -946				Sample Condition				CHECKED BY:							
Sampler - UPS - Bus - Other: #140				<input type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No				(initials)							

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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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:			
Phone #: 575-397-6388		Address:			
Fax #: 575-397-0397		City:			
Project #:		State:		Zip:	
Project Name: WHOMPING WILLOW CTB (11/11/22)		Phone #:			
Project Location: New Mexico		Fax #:			
Sampler Name: ROGER HERNADEZ					
FOR LAB USE ONLY					
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS		
		GROUNDWATER			
		WASTEWATER			
		SOIL			
		OIL			
		SLUDGE			
		OTHER :			
		ACID/BASE:			
		ICE / COOL			
		OTHER :			
		DATE	TIME		
	BOTTOM SAMPLE 128@2'	7/25/23	12:00PM		
	BOTTOM SAMPLE 129@2'	7/25/23	12:05PM		
	BOTTOM SAMPLE 130@2'	7/25/23	12:10PM		
	BOTTOM SAMPLE 131@2'	7/25/23	12:15PM		
	BOTTOM SAMPLE 132@2'	7/25/23	12:20PM		
	BOTTOM SAMPLE 133@2'	7/25/23	12:25PM		
	BOTTOM SAMPLE 134@2'	7/25/23	12:30PM		
	BOTTOM SAMPLE 135@2'	7/25/23	12:35PM		
	BOTTOM SAMPLE 136@2'	7/25/23	12:40PM		
	BOTTOM SAMPLE 137@2'	7/25/23	12:45PM		
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Relinquished By: <i>[Signature]</i>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:			
Relinquished By: <i>[Signature]</i>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:			
Delivered By: (Circle One) - <i>942</i>		Sample Condition: <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact			
Sampler - UPS - Bus - Other: <i>#140</i>		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
CHECKED BY: <i>[Signature]</i>					

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc. Project Manager: Cliff Brunson Address: P.O. Box 805 City: Hobbs State: NM Zip: 88241 Phone #: 575-397-6388 Fax #: 575-397-0397 Project #: Project Name: WHOMPING WILLOW CTB (11/11/22) Project Location: New Mexico Sampler Name: ROGER HERNADEZ P.O. #: Company: Oxy Attn: Address: City: State: Zip: Phone #: Fax #:				BILL TO				ANALYSIS REQUEST																															
FOR LAB USE ONLY		Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME		MATRIX		PRESERV		SAMPLING			
		H2339716		601		BOTTOM SAMPLE 138@2'		9																															
				602		BOTTOM SAMPLE 139@2'																																	
				603		BOTTOM SAMPLE 140@2'																																	
				604		BOTTOM SAMPLE 141@2'																																	
				605		BOTTOM SAMPLE 142@2'																																	
				606		BOTTOM SAMPLE 143@2'																																	
				607		BOTTOM SAMPLE 144@2'																																	
				608		BOTTOM SAMPLE 145@2'																																	
				609		BOTTOM SAMPLE 146@2'																																	
				610		BOTTOM SAMPLE 147@2'																																	

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Relinquished By: Date: 7/25/23 Time: 10:08 AM Received By: Date: Time:		Relinquished By: Date: 7/25/23 Time: 10:08 AM Received By: Date: Time:		Delivered By: (Circle One) - 9.46 # 140		Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>		CHECKED BY: (Initials)		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: Add'l Fax #:	
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101 East Marland, Hobbs, NM 88240
(505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

August 17, 2023

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: WHOMPING WILLOW

Enclosed are the results of analyses for samples received by the laboratory on 08/15/23 8:10.

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 style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 36 @ 5' (H234373-01)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/16/2023	ND	1.97	98.7	2.00	3.64		
Toluene*	<0.050	0.050	08/16/2023	ND	1.91	95.3	2.00	2.91		
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.90	95.0	2.00	4.94		
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.71	95.2	6.00	4.20		
Total BTEX	<0.300	0.300	08/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

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	08/15/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	184	91.8	200	5.20	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	188	94.0	200	5.75	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 90.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SIDEWALL 5 A (H234373-02)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/16/2023	ND	1.97	98.7	2.00	3.64		
Toluene*	<0.050	0.050	08/16/2023	ND	1.91	95.3	2.00	2.91		
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.90	95.0	2.00	4.94		
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.71	95.2	6.00	4.20		
Total BTEX	<0.300	0.300	08/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/15/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	184	91.8	200	5.20	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	188	94.0	200	5.75	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 79.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.8 % 49.1-148

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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: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SIDEWALL 10 A (H234373-03)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/16/2023	ND	1.97	98.7	2.00	3.64		
Toluene*	<0.050	0.050	08/16/2023	ND	1.91	95.3	2.00	2.91		
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.90	95.0	2.00	4.94		
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.71	95.2	6.00	4.20		
Total BTEx	<0.300	0.300	08/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/15/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	184	91.8	200	5.20	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	188	94.0	200	5.75	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 73.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.8 % 49.1-148

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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: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SIDEWALL 13 A (H234373-04)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/16/2023	ND	1.97	98.7	2.00	3.64		
Toluene*	<0.050	0.050	08/16/2023	ND	1.91	95.3	2.00	2.91		
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.90	95.0	2.00	4.94		
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.71	95.2	6.00	4.20		
Total BTEx	<0.300	0.300	08/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/15/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	184	91.8	200	5.20	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	188	94.0	200	5.75	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 56.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 62.8 % 49.1-148

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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: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SIDEWALL 14 A (H234373-05)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/16/2023	ND	1.97	98.7	2.00	3.64		
Toluene*	<0.050	0.050	08/16/2023	ND	1.91	95.3	2.00	2.91		
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.90	95.0	2.00	4.94		
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.71	95.2	6.00	4.20		
Total BTEX	<0.300	0.300	08/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/15/2023	ND	432	108	400	7.69		

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	08/16/2023	ND	184	91.8	200	5.20	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	188	94.0	200	5.75	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 82.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.8 % 49.1-148

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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: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SIDEWALL 20 A (H234373-06)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/16/2023	ND	1.97	98.7	2.00	3.64		
Toluene*	<0.050	0.050	08/16/2023	ND	1.91	95.3	2.00	2.91		
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.90	95.0	2.00	4.94		
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.71	95.2	6.00	4.20		
Total BTEX	<0.300	0.300	08/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/15/2023	ND	432	108	400	7.69		

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	08/16/2023	ND	184	91.8	200	5.20	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	188	94.0	200	5.75	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 88.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.2 % 49.1-148

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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: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SIDEWALL 21 A (H234373-07)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/16/2023	ND	1.97	98.7	2.00	3.64	
Toluene*	<0.050	0.050	08/16/2023	ND	1.91	95.3	2.00	2.91	
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.90	95.0	2.00	4.94	
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.71	95.2	6.00	4.20	
Total BTEX	<0.300	0.300	08/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/15/2023	ND	432	108	400	7.69		

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	08/16/2023	ND	184	91.8	200	5.20	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	188	94.0	200	5.75	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 85.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.9 % 49.1-148

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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: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 70 @ 3' (H234373-08)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/16/2023	ND	1.97	98.7	2.00	3.64		
Toluene*	<0.050	0.050	08/16/2023	ND	1.91	95.3	2.00	2.91		
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.90	95.0	2.00	4.94		
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.71	95.2	6.00	4.20		
Total BTEX	<0.300	0.300	08/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/15/2023	ND	432	108	400	7.69		

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	08/16/2023	ND	184	91.8	200	5.20	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	188	94.0	200	5.75	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 93.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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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: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 71 @ 3' (H234373-09)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/16/2023	ND	1.97	98.7	2.00	3.64		
Toluene*	<0.050	0.050	08/16/2023	ND	1.91	95.3	2.00	2.91		
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.90	95.0	2.00	4.94		
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.71	95.2	6.00	4.20		
Total BTEx	<0.300	0.300	08/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/15/2023	ND	432	108	400	7.69		

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	08/16/2023	ND	184	91.8	200	5.20	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	188	94.0	200	5.75	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 90.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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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: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 72 @ 3' (H234373-10)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/16/2023	ND	1.97	98.7	2.00	3.64		
Toluene*	<0.050	0.050	08/16/2023	ND	1.91	95.3	2.00	2.91		
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.90	95.0	2.00	4.94		
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.71	95.2	6.00	4.20		
Total BTEX	<0.300	0.300	08/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/15/2023	ND	432	108	400	7.69	

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	08/16/2023	ND	184	91.8	200	5.20	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	188	94.0	200	5.75	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 92.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 73 @ 3' (H234373-11)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/16/2023	ND	1.97	98.7	2.00	3.64		
Toluene*	<0.050	0.050	08/16/2023	ND	1.91	95.3	2.00	2.91		
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.90	95.0	2.00	4.94		
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.71	95.2	6.00	4.20		
Total BTEX	<0.300	0.300	08/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/15/2023	ND	432	108	400	7.69		

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	08/16/2023	ND	184	91.8	200	5.20	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	188	94.0	200	5.75	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 78.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.7 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 74 @ 3' (H234373-12)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/16/2023	ND	1.97	98.7	2.00	3.64		
Toluene*	<0.050	0.050	08/16/2023	ND	1.91	95.3	2.00	2.91		
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.90	95.0	2.00	4.94		
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.71	95.2	6.00	4.20		
Total BTEX	<0.300	0.300	08/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/15/2023	ND	432	108	400	7.69	

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	08/15/2023	ND	167	83.6	200	1.16	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	185	92.7	200	1.91	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 87.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Received: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 75 @ 3' (H234373-13)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/16/2023	ND	1.97	98.7	2.00	3.64		
Toluene*	<0.050	0.050	08/16/2023	ND	1.91	95.3	2.00	2.91		
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.90	95.0	2.00	4.94		
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.71	95.2	6.00	4.20		
Total BTEX	<0.300	0.300	08/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/15/2023	ND	432	108	400	7.69		

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	08/15/2023	ND	167	83.6	200	1.16	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	185	92.7	200	1.91	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 89.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Analytical Results For:

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Received: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 76 @ 3' (H234373-14)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/16/2023	ND	1.97	98.7	2.00	3.64		
Toluene*	<0.050	0.050	08/16/2023	ND	1.91	95.3	2.00	2.91		
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.90	95.0	2.00	4.94		
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.71	95.2	6.00	4.20		
Total BTEX	<0.300	0.300	08/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/15/2023	ND	432	108	400	7.69		

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	08/15/2023	ND	167	83.6	200	1.16	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	185	92.7	200	1.91	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 91.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 77 @ 3' (H234373-15)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/16/2023	ND	1.97	98.7	2.00	3.64	
Toluene*	<0.050	0.050	08/16/2023	ND	1.91	95.3	2.00	2.91	
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.90	95.0	2.00	4.94	
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.71	95.2	6.00	4.20	
Total BTEX	<0.300	0.300	08/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/15/2023	ND	432	108	400	7.69	

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	08/15/2023	ND	167	83.6	200	1.16	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	185	92.7	200	1.91	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 92.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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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: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 78 @ 3' (H234373-16)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/16/2023	ND	1.97	98.7	2.00	3.64	
Toluene*	<0.050	0.050	08/16/2023	ND	1.91	95.3	2.00	2.91	
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.90	95.0	2.00	4.94	
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.71	95.2	6.00	4.20	
Total BTEX	<0.300	0.300	08/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/15/2023	ND	432	108	400	7.69	

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	08/15/2023	ND	167	83.6	200	1.16	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	185	92.7	200	1.91	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 83.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.4 % 49.1-148

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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: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 79 @ 3' (H234373-17)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/16/2023	ND	1.97	98.7	2.00	3.64		
Toluene*	<0.050	0.050	08/16/2023	ND	1.91	95.3	2.00	2.91		
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.90	95.0	2.00	4.94		
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.71	95.2	6.00	4.20		
Total BTEX	<0.300	0.300	08/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/15/2023	ND	432	108	400	7.69	

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	08/15/2023	ND	167	83.6	200	1.16	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	185	92.7	200	1.91	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 91.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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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: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 80 @ 3' (H234373-18)

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	08/16/2023	ND	1.87	93.5	2.00	1.97		
Toluene*	<0.050	0.050	08/16/2023	ND	1.81	90.4	2.00	0.668		
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.86	92.8	2.00	1.29		
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.54	92.3	6.00	0.559		
Total BTEX	<0.300	0.300	08/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/15/2023	ND	432	108	400	7.69		

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	08/15/2023	ND	167	83.6	200	1.16	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	185	92.7	200	1.91	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 82.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 81 @ 3' (H234373-19)

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	08/16/2023	ND	1.87	93.5	2.00	1.97		
Toluene*	<0.050	0.050	08/16/2023	ND	1.81	90.4	2.00	0.668		
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.86	92.8	2.00	1.29		
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.54	92.3	6.00	0.559		
Total BTEX	<0.300	0.300	08/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/15/2023	ND	432	108	400	7.69		

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	08/15/2023	ND	167	83.6	200	1.16	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	185	92.7	200	1.91	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 87.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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Received: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 82 @ 3' (H234373-20)

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	08/16/2023	ND	1.87	93.5	2.00	1.97		
Toluene*	<0.050	0.050	08/16/2023	ND	1.81	90.4	2.00	0.668		
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.86	92.8	2.00	1.29		
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.54	92.3	6.00	0.559		
Total BTX	<0.300	0.300	08/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/15/2023	ND	432	108	400	7.69		

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	08/15/2023	ND	167	83.6	200	1.16	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	185	92.7	200	1.91	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 83.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.1 % 49.1-148

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Analytical Results For:

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Received: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 83 @ 3' (H234373-21)

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	08/16/2023	ND	1.87	93.5	2.00	1.97		
Toluene*	<0.050	0.050	08/16/2023	ND	1.81	90.4	2.00	0.668		
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.86	92.8	2.00	1.29		
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.54	92.3	6.00	0.559		
Total BTEX	<0.300	0.300	08/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/15/2023	ND	432	108	400	7.69		

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	08/15/2023	ND	167	83.6	200	1.16	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	185	92.7	200	1.91	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 87.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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 Fax To: (575) 397-0397

Received: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 84 @ 3' (H234373-22)

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	08/16/2023	ND	1.87	93.5	2.00	1.97		
Toluene*	<0.050	0.050	08/16/2023	ND	1.81	90.4	2.00	0.668		
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.86	92.8	2.00	1.29		
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.54	92.3	6.00	0.559		
Total BTX	<0.300	0.300	08/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	08/15/2023	ND	432	108	400	7.69		

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	08/15/2023	ND	167	83.6	200	1.16	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	185	92.7	200	1.91	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 85.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.4 % 49.1-148

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

Analytical Results For:

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

Received: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 85 @ 3' (H234373-23)

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	08/16/2023	ND	1.87	93.5	2.00	1.97		
Toluene*	<0.050	0.050	08/16/2023	ND	1.81	90.4	2.00	0.668		
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.86	92.8	2.00	1.29		
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.54	92.3	6.00	0.559		
Total BTEX	<0.300	0.300	08/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/15/2023	ND	432	108	400	7.69		

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	08/15/2023	ND	167	83.6	200	1.16	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	185	92.7	200	1.91	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 81.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 86 @ 3' (H234373-24)

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	08/16/2023	ND	1.87	93.5	2.00	1.97		
Toluene*	<0.050	0.050	08/16/2023	ND	1.81	90.4	2.00	0.668		
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.86	92.8	2.00	1.29		
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.54	92.3	6.00	0.559		
Total BTEX	<0.300	0.300	08/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/15/2023	ND	432	108	400	7.69		

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	08/15/2023	ND	167	83.6	200	1.16	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	185	92.7	200	1.91	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 91.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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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: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 87 @ 3' (H234373-25)

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	08/16/2023	ND	1.87	93.5	2.00	1.97	
Toluene*	<0.050	0.050	08/16/2023	ND	1.81	90.4	2.00	0.668	
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.86	92.8	2.00	1.29	
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.54	92.3	6.00	0.559	
Total BTX	<0.300	0.300	08/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/16/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2023	ND	167	83.6	200	1.16	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	185	92.7	200	1.91	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 88.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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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: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 88 @ 3' (H234373-26)

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	08/16/2023	ND	1.87	93.5	2.00	1.97		
Toluene*	<0.050	0.050	08/16/2023	ND	1.81	90.4	2.00	0.668		
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.86	92.8	2.00	1.29		
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.54	92.3	6.00	0.559		
Total BTEX	<0.300	0.300	08/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/16/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2023	ND	167	83.6	200	1.16	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	185	92.7	200	1.91	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 86.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.3 % 49.1-148

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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: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 89 @ 3' (H234373-27)

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	08/16/2023	ND	1.87	93.5	2.00	1.97	
Toluene*	<0.050	0.050	08/16/2023	ND	1.81	90.4	2.00	0.668	
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.86	92.8	2.00	1.29	
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.54	92.3	6.00	0.559	
Total BTX	<0.300	0.300	08/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/16/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2023	ND	167	83.6	200	1.16	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	185	92.7	200	1.91	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 91.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 90 @ 3' (H234373-28)

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	08/16/2023	ND	1.87	93.5	2.00	1.97	
Toluene*	<0.050	0.050	08/16/2023	ND	1.81	90.4	2.00	0.668	
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.86	92.8	2.00	1.29	
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.54	92.3	6.00	0.559	
Total BTX	<0.300	0.300	08/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/16/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2023	ND	167	83.6	200	1.16	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	185	92.7	200	1.91	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 92.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 91 @ 3' (H234373-29)

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	08/16/2023	ND	1.87	93.5	2.00	1.97	
Toluene*	<0.050	0.050	08/16/2023	ND	1.81	90.4	2.00	0.668	
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.86	92.8	2.00	1.29	
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.54	92.3	6.00	0.559	
Total BTEX	<0.300	0.300	08/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/16/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2023	ND	167	83.6	200	1.16	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	185	92.7	200	1.91	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 78.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.5 % 49.1-148

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Analytical Results For:

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

Received: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 92 @ 3' (H234373-30)

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	08/16/2023	ND	1.87	93.5	2.00	1.97	
Toluene*	<0.050	0.050	08/16/2023	ND	1.81	90.4	2.00	0.668	
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.86	92.8	2.00	1.29	
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.54	92.3	6.00	0.559	
Total BTEX	<0.300	0.300	08/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/16/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2023	ND	167	83.6	200	1.16	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	185	92.7	200	1.91	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 95.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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

Received: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 93 @ 3' (H234373-31)

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	08/16/2023	ND	1.87	93.5	2.00	1.97		
Toluene*	<0.050	0.050	08/16/2023	ND	1.81	90.4	2.00	0.668		
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.86	92.8	2.00	1.29		
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.54	92.3	6.00	0.559		
Total BTEX	<0.300	0.300	08/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/16/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2023	ND	167	83.6	200	1.16	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	185	92.7	200	1.91	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 92.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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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: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 94 @ 3' (H234373-32)

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	08/16/2023	ND	1.87	93.5	2.00	1.97	
Toluene*	<0.050	0.050	08/16/2023	ND	1.81	90.4	2.00	0.668	
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.86	92.8	2.00	1.29	
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.54	92.3	6.00	0.559	
Total BTX	<0.300	0.300	08/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/16/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2023	ND	176	88.0	200	5.77	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	194	96.9	200	4.30	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 98.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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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: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 95 @ 3' (H234373-33)

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	08/16/2023	ND	1.87	93.5	2.00	1.97		
Toluene*	<0.050	0.050	08/16/2023	ND	1.81	90.4	2.00	0.668		
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.86	92.8	2.00	1.29		
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.54	92.3	6.00	0.559		
Total BTEX	<0.300	0.300	08/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/16/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2023	ND	176	88.0	200	5.77	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	194	96.9	200	4.30	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 89.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.2 % 49.1-148

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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: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 96 @ 3' (H234373-34)

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	08/16/2023	ND	1.87	93.5	2.00	1.97		
Toluene*	<0.050	0.050	08/16/2023	ND	1.81	90.4	2.00	0.668		
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.86	92.8	2.00	1.29		
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.54	92.3	6.00	0.559		
Total BTX	<0.300	0.300	08/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/16/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2023	ND	176	88.0	200	5.77	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	194	96.9	200	4.30	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 95.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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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: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 97 @ 3' (H234373-35)

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	08/16/2023	ND	1.87	93.5	2.00	1.97		
Toluene*	<0.050	0.050	08/16/2023	ND	1.81	90.4	2.00	0.668		
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.86	92.8	2.00	1.29		
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.54	92.3	6.00	0.559		
Total BTEX	<0.300	0.300	08/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/16/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2023	ND	176	88.0	200	5.77	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	194	96.9	200	4.30	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 91.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 98 @ 3' (H234373-36)

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	08/16/2023	ND	1.87	93.5	2.00	1.97	
Toluene*	<0.050	0.050	08/16/2023	ND	1.81	90.4	2.00	0.668	
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.86	92.8	2.00	1.29	
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.54	92.3	6.00	0.559	
Total BTEX	<0.300	0.300	08/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/16/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2023	ND	176	88.0	200	5.77	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	194	96.9	200	4.30	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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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: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 99 @ 3' (H234373-37)

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	08/16/2023	ND	1.87	93.5	2.00	1.97	
Toluene*	<0.050	0.050	08/16/2023	ND	1.81	90.4	2.00	0.668	
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.86	92.8	2.00	1.29	
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.54	92.3	6.00	0.559	
Total BTEX	<0.300	0.300	08/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/16/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2023	ND	176	88.0	200	5.77	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	194	96.9	200	4.30	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 95.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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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: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 100 @ 3' (H234373-38)

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	08/16/2023	ND	2.00	100	2.00	0.958		
Toluene*	<0.050	0.050	08/16/2023	ND	2.12	106	2.00	2.99		
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	2.13	107	2.00	3.14		
Total Xylenes*	<0.150	0.150	08/16/2023	ND	6.46	108	6.00	3.43		
Total BTEX	<0.300	0.300	08/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/16/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2023	ND	176	88.0	200	5.77	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	194	96.9	200	4.30	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 99.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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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: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 101 @ 3' (H234373-39)

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	08/16/2023	ND	2.00	100	2.00	0.958	
Toluene*	<0.050	0.050	08/16/2023	ND	2.12	106	2.00	2.99	
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	2.13	107	2.00	3.14	
Total Xylenes*	<0.150	0.150	08/16/2023	ND	6.46	108	6.00	3.43	
Total BTEX	<0.300	0.300	08/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/16/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2023	ND	176	88.0	200	5.77	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	194	96.9	200	4.30	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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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: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 102 @ 3' (H234373-40)

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	08/16/2023	ND	2.00	100	2.00	0.958	
Toluene*	<0.050	0.050	08/16/2023	ND	2.12	106	2.00	2.99	
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	2.13	107	2.00	3.14	
Total Xylenes*	<0.150	0.150	08/16/2023	ND	6.46	108	6.00	3.43	
Total BTEX	<0.300	0.300	08/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

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	08/16/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2023	ND	176	88.0	200	5.77	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	194	96.9	200	4.30	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 103 @ 3' (H234373-41)

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	08/16/2023	ND	2.00	100	2.00	0.958		
Toluene*	<0.050	0.050	08/16/2023	ND	2.12	106	2.00	2.99		
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	2.13	107	2.00	3.14		
Total Xylenes*	<0.150	0.150	08/16/2023	ND	6.46	108	6.00	3.43		
Total BTEX	<0.300	0.300	08/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/16/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2023	ND	176	88.0	200	5.77	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	194	96.9	200	4.30	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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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: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 104 @ 3' (H234373-42)

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	08/16/2023	ND	2.00	100	2.00	0.958	
Toluene*	<0.050	0.050	08/16/2023	ND	2.12	106	2.00	2.99	
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	2.13	107	2.00	3.14	
Total Xylenes*	<0.150	0.150	08/16/2023	ND	6.46	108	6.00	3.43	
Total BTEX	<0.300	0.300	08/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/16/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2023	ND	176	88.0	200	5.77	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	194	96.9	200	4.30	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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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: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 105 @ 3' (H234373-43)

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	08/16/2023	ND	2.00	100	2.00	0.958		
Toluene*	<0.050	0.050	08/16/2023	ND	2.12	106	2.00	2.99		
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	2.13	107	2.00	3.14		
Total Xylenes*	<0.150	0.150	08/16/2023	ND	6.46	108	6.00	3.43		
Total BTEX	<0.300	0.300	08/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

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	08/16/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2023	ND	176	88.0	200	5.77	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	194	96.9	200	4.30	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 98.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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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: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 106 @ 3' (H234373-44)

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	08/16/2023	ND	2.00	100	2.00	0.958		
Toluene*	<0.050	0.050	08/16/2023	ND	2.12	106	2.00	2.99		
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	2.13	107	2.00	3.14		
Total Xylenes*	<0.150	0.150	08/16/2023	ND	6.46	108	6.00	3.43		
Total BTEX	<0.300	0.300	08/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/16/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2023	ND	176	88.0	200	5.77	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	194	96.9	200	4.30	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 89.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.7 % 49.1-148

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Analytical Results For:

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

Received: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 107 @ 3' (H234373-45)

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	08/16/2023	ND	2.00	100	2.00	0.958		
Toluene*	<0.050	0.050	08/16/2023	ND	2.12	106	2.00	2.99		
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	2.13	107	2.00	3.14		
Total Xylenes*	<0.150	0.150	08/16/2023	ND	6.46	108	6.00	3.43		
Total BTEx	<0.300	0.300	08/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/16/2023	ND	416	104	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	08/15/2023	ND	176	88.0	200	5.77	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	194	96.9	200	4.30	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 95.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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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: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 108 @ 3' (H234373-46)

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	08/16/2023	ND	2.00	100	2.00	0.958		
Toluene*	<0.050	0.050	08/16/2023	ND	2.12	106	2.00	2.99		
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	2.13	107	2.00	3.14		
Total Xylenes*	<0.150	0.150	08/16/2023	ND	6.46	108	6.00	3.43		
Total BTEX	<0.300	0.300	08/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/16/2023	ND	416	104	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	08/15/2023	ND	176	88.0	200	5.77	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	194	96.9	200	4.30	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 88.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.6 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 109 @ 3' (H234373-47)

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	08/16/2023	ND	2.00	100	2.00	0.958	
Toluene*	<0.050	0.050	08/16/2023	ND	2.12	106	2.00	2.99	
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	2.13	107	2.00	3.14	
Total Xylenes*	<0.150	0.150	08/16/2023	ND	6.46	108	6.00	3.43	
Total BTEX	<0.300	0.300	08/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/16/2023	ND	416	104	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	08/15/2023	ND	176	88.0	200	5.77	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	194	96.9	200	4.30	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 98.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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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: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 110 @ 3' (H234373-48)

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	08/16/2023	ND	2.00	100	2.00	0.958		
Toluene*	<0.050	0.050	08/16/2023	ND	2.12	106	2.00	2.99		
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	2.13	107	2.00	3.14		
Total Xylenes*	<0.150	0.150	08/16/2023	ND	6.46	108	6.00	3.43		
Total BTEX	<0.300	0.300	08/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/16/2023	ND	416	104	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	08/15/2023	ND	176	88.0	200	5.77	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	194	96.9	200	4.30	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 92.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.8 % 49.1-148

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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: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 111 @ 3' (H234373-49)

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	08/16/2023	ND	2.00	100	2.00	0.958		
Toluene*	<0.050	0.050	08/16/2023	ND	2.12	106	2.00	2.99		
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	2.13	107	2.00	3.14		
Total Xylenes*	<0.150	0.150	08/16/2023	ND	6.46	108	6.00	3.43		
Total BTEx	<0.300	0.300	08/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/16/2023	ND	416	104	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	08/15/2023	ND	176	88.0	200	5.77	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	194	96.9	200	4.30	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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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: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 112 @ 3' (H234373-50)

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	08/16/2023	ND	2.00	100	2.00	0.958		
Toluene*	<0.050	0.050	08/16/2023	ND	2.12	106	2.00	2.99		
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	2.13	107	2.00	3.14		
Total Xylenes*	<0.150	0.150	08/16/2023	ND	6.46	108	6.00	3.43		
Total BTEx	<0.300	0.300	08/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/16/2023	ND	416	104	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	08/15/2023	ND	176	88.0	200	5.77	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	194	96.9	200	4.30	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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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: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 113 @ 3' (H234373-51)

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	08/16/2023	ND	2.00	100	2.00	0.958	
Toluene*	<0.050	0.050	08/16/2023	ND	2.12	106	2.00	2.99	
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	2.13	107	2.00	3.14	
Total Xylenes*	<0.150	0.150	08/16/2023	ND	6.46	108	6.00	3.43	
Total BTEX	<0.300	0.300	08/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/16/2023	ND	416	104	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	08/15/2023	ND	176	88.0	200	5.77	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	194	96.9	200	4.30	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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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: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 114 @ 3' (H234373-52)

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	08/16/2023	ND	2.00	100	2.00	0.958	
Toluene*	<0.050	0.050	08/16/2023	ND	2.12	106	2.00	2.99	
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	2.13	107	2.00	3.14	
Total Xylenes*	<0.150	0.150	08/16/2023	ND	6.46	108	6.00	3.43	
Total BTEX	<0.300	0.300	08/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/16/2023	ND	416	104	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	08/15/2023	ND	183	91.6	200	4.91	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	175	87.7	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 86.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.8 % 49.1-148

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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: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 115 @ 3' (H234373-53)

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	08/16/2023	ND	2.00	100	2.00	0.958	
Toluene*	<0.050	0.050	08/16/2023	ND	2.12	106	2.00	2.99	
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	2.13	107	2.00	3.14	
Total Xylenes*	<0.150	0.150	08/16/2023	ND	6.46	108	6.00	3.43	
Total BTEX	<0.300	0.300	08/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/16/2023	ND	416	104	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	08/15/2023	ND	183	91.6	200	4.91	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	175	87.7	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 79.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.6 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 116 @ 3' (H234373-54)

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	08/16/2023	ND	2.00	100	2.00	0.958		
Toluene*	<0.050	0.050	08/16/2023	ND	2.12	106	2.00	2.99		
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	2.13	107	2.00	3.14		
Total Xylenes*	<0.150	0.150	08/16/2023	ND	6.46	108	6.00	3.43		
Total BTEX	<0.300	0.300	08/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/16/2023	ND	416	104	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	08/15/2023	ND	183	91.6	200	4.91	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	175	87.7	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 68.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.1 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 117 @ 3' (H234373-55)

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	08/16/2023	ND	2.00	100	2.00	0.958	
Toluene*	<0.050	0.050	08/16/2023	ND	2.12	106	2.00	2.99	
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	2.13	107	2.00	3.14	
Total Xylenes*	<0.150	0.150	08/16/2023	ND	6.46	108	6.00	3.43	
Total BTEx	<0.300	0.300	08/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/16/2023	ND	416	104	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	08/15/2023	ND	183	91.6	200	4.91	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	175	87.7	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 81.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.4 % 49.1-148

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Analytical Results For:

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

Received: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 118 @ 3' (H234373-56)

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	08/16/2023	ND	2.00	100	2.00	0.958	
Toluene*	<0.050	0.050	08/16/2023	ND	2.12	106	2.00	2.99	
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	2.13	107	2.00	3.14	
Total Xylenes*	<0.150	0.150	08/16/2023	ND	6.46	108	6.00	3.43	
Total BTEX	<0.300	0.300	08/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/16/2023	ND	416	104	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	08/15/2023	ND	183	91.6	200	4.91	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	175	87.7	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 82.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.1 % 49.1-148

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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: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 119 @ 3' (H234373-57)

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	08/16/2023	ND	2.00	100	2.00	0.958		
Toluene*	<0.050	0.050	08/16/2023	ND	2.12	106	2.00	2.99		
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	2.13	107	2.00	3.14		
Total Xylenes*	<0.150	0.150	08/16/2023	ND	6.46	108	6.00	3.43		
Total BTEx	<0.300	0.300	08/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/16/2023	ND	416	104	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	08/15/2023	ND	183	91.6	200	4.91	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	175	87.7	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 77.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.2 % 49.1-148

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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: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 120 @ 3' (H234373-58)

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	08/16/2023	ND	2.09	104	2.00	2.73	
Toluene*	<0.050	0.050	08/16/2023	ND	2.14	107	2.00	0.361	
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	2.13	106	2.00	2.30	
Total Xylenes*	<0.150	0.150	08/16/2023	ND	6.46	108	6.00	2.37	
Total BTEX	<0.300	0.300	08/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/16/2023	ND	416	104	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	08/15/2023	ND	183	91.6	200	4.91	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	175	87.7	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 75.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.3 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 121 @ 3' (H234373-59)

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	08/16/2023	ND	2.09	104	2.00	2.73	
Toluene*	<0.050	0.050	08/16/2023	ND	2.14	107	2.00	0.361	
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	2.13	106	2.00	2.30	
Total Xylenes*	<0.150	0.150	08/16/2023	ND	6.46	108	6.00	2.37	
Total BTEX	<0.300	0.300	08/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/16/2023	ND	416	104	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	08/15/2023	ND	183	91.6	200	4.91	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	175	87.7	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 97.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.0 % 49.1-148

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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: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 122 @ 3' (H234373-60)

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	08/16/2023	ND	2.09	104	2.00	2.73	
Toluene*	<0.050	0.050	08/16/2023	ND	2.14	107	2.00	0.361	
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	2.13	106	2.00	2.30	
Total Xylenes*	<0.150	0.150	08/16/2023	ND	6.46	108	6.00	2.37	
Total BTX	<0.300	0.300	08/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/16/2023	ND	416	104	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	08/15/2023	ND	183	91.6	200	4.91	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	175	87.7	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 85.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.6 % 49.1-148

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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: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 123 @ 3' (H234373-61)

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	08/16/2023	ND	2.09	104	2.00	2.73	
Toluene*	<0.050	0.050	08/16/2023	ND	2.14	107	2.00	0.361	
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	2.13	106	2.00	2.30	
Total Xylenes*	<0.150	0.150	08/16/2023	ND	6.46	108	6.00	2.37	
Total BTEX	<0.300	0.300	08/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/16/2023	ND	416	104	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	08/16/2023	ND	183	91.6	200	4.91	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	175	87.7	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 78.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.4 % 49.1-148

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Analytical Results For:

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

Received: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 124 @ 3' (H234373-62)

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	08/16/2023	ND	2.09	104	2.00	2.73	
Toluene*	<0.050	0.050	08/16/2023	ND	2.14	107	2.00	0.361	
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	2.13	106	2.00	2.30	
Total Xylenes*	<0.150	0.150	08/16/2023	ND	6.46	108	6.00	2.37	
Total BTEX	<0.300	0.300	08/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/16/2023	ND	416	104	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	08/15/2023	ND	183	91.6	200	4.91	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	175	87.7	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 93.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.8 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 125 @ 3' (H234373-63)

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	08/17/2023	ND	2.09	104	2.00	2.73		
Toluene*	<0.050	0.050	08/17/2023	ND	2.14	107	2.00	0.361		
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	2.13	106	2.00	2.30		
Total Xylenes*	<0.150	0.150	08/17/2023	ND	6.46	108	6.00	2.37		
Total BTEX	<0.300	0.300	08/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/16/2023	ND	416	104	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	08/15/2023	ND	183	91.6	200	4.91	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	175	87.7	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 90.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.9 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 126 @ 3' (H234373-64)

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	08/17/2023	ND	2.09	104	2.00	2.73	
Toluene*	<0.050	0.050	08/17/2023	ND	2.14	107	2.00	0.361	
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	2.13	106	2.00	2.30	
Total Xylenes*	<0.150	0.150	08/17/2023	ND	6.46	108	6.00	2.37	
Total BTX	<0.300	0.300	08/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/16/2023	ND	416	104	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	08/15/2023	ND	183	91.6	200	4.91	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	175	87.7	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 80.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 127 @ 3' (H234373-65)

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	08/17/2023	ND	2.09	104	2.00	2.73	
Toluene*	<0.050	0.050	08/17/2023	ND	2.14	107	2.00	0.361	
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	2.13	106	2.00	2.30	
Total Xylenes*	<0.150	0.150	08/17/2023	ND	6.46	108	6.00	2.37	
Total BTEX	<0.300	0.300	08/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/16/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2023	ND	183	91.6	200	4.91	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	175	87.7	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 94.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 128 @ 3' (H234373-66)

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	08/17/2023	ND	2.09	104	2.00	2.73	
Toluene*	<0.050	0.050	08/17/2023	ND	2.14	107	2.00	0.361	
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	2.13	106	2.00	2.30	
Total Xylenes*	<0.150	0.150	08/17/2023	ND	6.46	108	6.00	2.37	
Total BTEX	<0.300	0.300	08/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

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	08/16/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2023	ND	183	91.6	200	4.91	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	175	87.7	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 78.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.3 % 49.1-148

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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
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 Fax To: (575) 397-0397

Received: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 129 @ 3' (H234373-67)

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	08/17/2023	ND	2.09	104	2.00	2.73	
Toluene*	<0.050	0.050	08/17/2023	ND	2.14	107	2.00	0.361	
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	2.13	106	2.00	2.30	
Total Xylenes*	<0.150	0.150	08/17/2023	ND	6.46	108	6.00	2.37	
Total BTEX	<0.300	0.300	08/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/16/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2023	ND	183	91.6	200	4.91	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	175	87.7	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 77.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.5 % 49.1-148

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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: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 130 @ 3' (H234373-68)

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	08/17/2023	ND	2.09	104	2.00	2.73		
Toluene*	<0.050	0.050	08/17/2023	ND	2.14	107	2.00	0.361		
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	2.13	106	2.00	2.30		
Total Xylenes*	<0.150	0.150	08/17/2023	ND	6.46	108	6.00	2.37		
Total BTX	<0.300	0.300	08/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

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	08/16/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2023	ND	183	91.6	200	4.91	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	175	87.7	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 73.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.8 % 49.1-148

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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: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 131 @ 3' (H234373-69)

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	08/17/2023	ND	2.09	104	2.00	2.73	
Toluene*	<0.050	0.050	08/17/2023	ND	2.14	107	2.00	0.361	
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	2.13	106	2.00	2.30	
Total Xylenes*	<0.150	0.150	08/17/2023	ND	6.46	108	6.00	2.37	
Total BTEX	<0.300	0.300	08/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/16/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	183	91.6	200	4.91	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	175	87.7	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 85.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.5 % 49.1-148

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Analytical Results For:

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

Received: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 132 @ 3' (H234373-70)

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	08/17/2023	ND	2.09	104	2.00	2.73	
Toluene*	<0.050	0.050	08/17/2023	ND	2.14	107	2.00	0.361	
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	2.13	106	2.00	2.30	
Total Xylenes*	<0.150	0.150	08/17/2023	ND	6.46	108	6.00	2.37	
Total BTEX	<0.300	0.300	08/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

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	08/16/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	183	91.6	200	4.91	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	175	87.7	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 72.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.7 % 49.1-148

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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: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 133 @ 3' (H234373-71)

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	08/17/2023	ND	2.09	104	2.00	2.73		
Toluene*	<0.050	0.050	08/17/2023	ND	2.14	107	2.00	0.361		
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	2.13	106	2.00	2.30		
Total Xylenes*	<0.150	0.150	08/17/2023	ND	6.46	108	6.00	2.37		
Total BTEX	<0.300	0.300	08/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

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	08/16/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	183	91.6	200	4.91	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	175	87.7	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 60.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 60.0 % 49.1-148

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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: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 134 @ 3' (H234373-72)

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	08/17/2023	ND	2.09	104	2.00	2.73	
Toluene*	<0.050	0.050	08/17/2023	ND	2.14	107	2.00	0.361	
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	2.13	106	2.00	2.30	
Total Xylenes*	<0.150	0.150	08/17/2023	ND	6.46	108	6.00	2.37	
Total BTEx	<0.300	0.300	08/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

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	08/16/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	182	91.0	200	3.76	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	163	81.6	200	4.77	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 68.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.7 % 49.1-148

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Analytical Results For:

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Received: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 135 @ 3' (H234373-73)

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	08/17/2023	ND	2.09	104	2.00	2.73	
Toluene*	<0.050	0.050	08/17/2023	ND	2.14	107	2.00	0.361	
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	2.13	106	2.00	2.30	
Total Xylenes*	<0.150	0.150	08/17/2023	ND	6.46	108	6.00	2.37	
Total BTEX	<0.300	0.300	08/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/16/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	182	91.0	200	3.76	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	163	81.6	200	4.77	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 78.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.5 % 49.1-148

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 Cliff Brunson
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 Fax To: (575) 397-0397

Received: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 136 @ 3' (H234373-74)

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	08/17/2023	ND	2.09	104	2.00	2.73	
Toluene*	<0.050	0.050	08/17/2023	ND	2.14	107	2.00	0.361	
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	2.13	106	2.00	2.30	
Total Xylenes*	<0.150	0.150	08/17/2023	ND	6.46	108	6.00	2.37	
Total BTEx	<0.300	0.300	08/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/16/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	182	91.0	200	3.76	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	163	81.6	200	4.77	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 81.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.4 % 49.1-148

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

Received: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 137 @ 3' (H234373-75)

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	08/17/2023	ND	2.09	104	2.00	2.73	
Toluene*	<0.050	0.050	08/17/2023	ND	2.14	107	2.00	0.361	
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	2.13	106	2.00	2.30	
Total Xylenes*	<0.150	0.150	08/17/2023	ND	6.46	108	6.00	2.37	
Total BTEX	<0.300	0.300	08/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/16/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	182	91.0	200	3.76	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	163	81.6	200	4.77	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 86.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.8 % 49.1-148

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

Received: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 138 @ 3' (H234373-76)

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	08/17/2023	ND	2.09	104	2.00	2.73	
Toluene*	<0.050	0.050	08/17/2023	ND	2.14	107	2.00	0.361	
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	2.13	106	2.00	2.30	
Total Xylenes*	<0.150	0.150	08/17/2023	ND	6.46	108	6.00	2.37	
Total BTEX	<0.300	0.300	08/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/16/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	182	91.0	200	3.76	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	163	81.6	200	4.77	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 66.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 64.6 % 49.1-148

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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: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 139 @ 3' (H234373-77)

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	08/17/2023	ND	2.09	104	2.00	2.73	
Toluene*	<0.050	0.050	08/17/2023	ND	2.14	107	2.00	0.361	
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	2.13	106	2.00	2.30	
Total Xylenes*	<0.150	0.150	08/17/2023	ND	6.46	108	6.00	2.37	
Total BTEx	<0.300	0.300	08/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/16/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	182	91.0	200	3.76	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	163	81.6	200	4.77	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 77.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.0 % 49.1-148

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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: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 140 @ 3' (H234373-78)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/16/2023	ND	2.13	106	2.00	1.60		
Toluene*	<0.050	0.050	08/16/2023	ND	2.06	103	2.00	1.83		
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.99	99.3	2.00	2.17		
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.96	99.4	6.00	2.26		
Total BTEX	<0.300	0.300	08/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/16/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	182	91.0	200	3.76	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	163	81.6	200	4.77	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 73.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.0 % 49.1-148

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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: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 141 @ 3' (H234373-79)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/16/2023	ND	2.13	106	2.00	1.60		
Toluene*	<0.050	0.050	08/16/2023	ND	2.06	103	2.00	1.83		
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.99	99.3	2.00	2.17		
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.96	99.4	6.00	2.26		
Total BTEX	<0.300	0.300	08/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/16/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	182	91.0	200	3.76	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	163	81.6	200	4.77	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 71.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.7 % 49.1-148

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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: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 142 @ 3' (H234373-80)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/16/2023	ND	2.13	106	2.00	1.60		
Toluene*	<0.050	0.050	08/16/2023	ND	2.06	103	2.00	1.83		
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.99	99.3	2.00	2.17		
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.96	99.4	6.00	2.26		
Total BTEX	<0.300	0.300	08/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/16/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	182	91.0	200	3.76	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	163	81.6	200	4.77	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 74.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.4 % 49.1-148

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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: 08/15/2023
 Reported: 08/17/2023
 Project Name: WHOMPING WILLOW
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 08/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BOTTOM 143 @ 3' (H234373-81)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/16/2023	ND	2.13	106	2.00	1.60		
Toluene*	<0.050	0.050	08/16/2023	ND	2.06	103	2.00	1.83		
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.99	99.3	2.00	2.17		
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.96	99.4	6.00	2.26		
Total BTX	<0.300	0.300	08/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/16/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	182	91.0	200	3.76	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	163	81.6	200	4.77	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 75.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

- A-01 Ending CCV failed high for DRO. All samples ND.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO		ANALYSIS REQUEST	
Company Name: BBC International, Inc.	P.O. #:		
Project Manager: Cliff Brunson	Company: OXY		
Address: P.O. Box 805	Attn: WADE		
City: Hobbs	State: NM Zip: 88241		
Phone #: 575-397-6388	Fax #: 575-397-0397		
Project #:	Project Owner: Oxy		
Project Name: Whipping Willow CTB	City:		
Project Location:	State: Zip:		
Sample Name: SIMON RENDON ROSET HERMANKE	Phone #:		
FOR LAB USE ONLY	Fax #:		
Lab I.D.	(G)RAB OR (C)OMP		
Sample I.D.	# CONTAINERS		
	GROUNDWATER		
	WASTEWATER		
	SOIL		
	OIL		
	SLUDGE		
	OTHER :		
	ACID/BASE:		
	ICE / COOL		
	OTHER :		
	DATE		
	TIME		
	CL		
	BTEX		
	TPH EXT		

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Lab I.D.	Sample I.D.	G	MATRIX	PRESERV	SAMPLING	DATE	TIME	CL	BTEX	TPH EXT
HQ34373	Bottom	73.03	G	-	V	8.9.13	950	V	V	V
11		74.03	G	1	V	8.9.13	55	V	V	V
12		75.03	G	1	V	8.9.23	1000	V	V	V
13		76.03	G	1	V	8.9.23	1005	V	V	V
14		77.03	G	1	V	8.9.23	1010	V	V	V
15		78.03	G	1	V	8.9.23	1015	V	V	V
16		79.03	G	1	V	8.9.23	1020	V	V	V
17		80.03	G	1	V	8.9.23	1025	V	V	V
18		81.03	G	1	V	8.9.23	1030	V	V	V
19		82.03	G	1	V	8.9.23	1035	V	V	V
20										

Relinquished By: [Signature] **Date:** 8.5.13 **Received By:** [Signature] **Time:** 8:10

Relinquished By: [Signature] **Date:** **Received By:** [Signature]

Delivered By: (Circle One) -8.0z **#140** **Sample Condition:** Cool Intact **CHECKED BY:** [Signature]
☒ Yes ☐ No ☐ Yes ☐ No

Samplers - UPS - Bus - Other: **REMARKS:**

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.				BILL TO				ANALYSIS REQUEST			
Project Manager: Cliff Brunson				P.O. #:							
Address: P.O. Box 805				Company: OXY							
City: Hobbs				Attn: WADE							
State: NM Zip: 88241				Address:							
Phone #: 575-397-6388 Fax #: 575-397-0397				City:							
Project #:				State: Zip:							
Project Location: Whopping Willow CTB				Phone #:							
Sample Name: SIMON RENDON Page Hermonky				Fax #:							

FOR LAB USE ONLY			MATRIX	PRESERV	SAMPLING																		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	CL	BTEX	TPH EXT						
HQ34373	Bottom	G	1	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>							8.9.23	1040	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
a1	8403-	G	1	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>							8.9.23	1045	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
a2	8503-	G	1	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>							8.9.23	1050	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
a3	8603-	G	1	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>							8.9.23	1100	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
a4	8703-	G	1	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>							8.9.23	1105	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
a5	8803-	G	1	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>							8.9.23	1110	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
a6	8903-	G	1	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>							8.9.23	1115	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
a7	9003-	G	1	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>							8.9.23	1120	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
a8	9103-	G	1	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>							8.9.23	1125	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
a9	9203-	G	1	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>							8.9.23	1130	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						

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Relinquished By:	Date: 8.5.23	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Date: 8.10	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
REMARKS:				

Delivered By: (Circle One)	Sample Condition	CHECKED BY:
-80°C #140 <input checked="" type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	SPC (initials)

Sampler - UPS - Bus - Other:



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.		P.O. #:
Project Manager: Cliff Brunson		Company: OXY
Address: P.O. Box 805		Attn: WADE
City: Hobbs	State: NM Zip: 88241	Address:
Phone #: 575-397-6388	Fax #: 575-397-0397	City:
Project #:	Project Owner: Oxy	State:
Project Name:	Zip:	
Project Location:	Phone #:	Fax #:
Sample Name: SIMON RENDON Paper Humprey	MATRIX	SAMPLING
FOR LAB USE ONLY		

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER						ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	CL	BTEX	TPH EXT
				WASTEWATER	SOIL	OIL	SLUDGE	OTHER :									
H34373	Bottom 9303	G	1										8-9-23	1130			
31	9403	C	1										8-9-23	1135			
33	9503	C	1										8-9-23	1140			
33	9603	C	1										8-9-23	1145			
34	9703	C	1										8-9-23	1150			
35	9803	C	1										8-9-23	1200			
36	9903	C	1										8-9-23	1205			
37	10003	C	1										8-9-23	1210			
38	10103	C	1										8-9-23	1215			
39	10203	C	1														
40																	

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Relinquished By:	Date: 8-11-23	Received By:	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:
Time: 8:10			Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
Time:				

Delivered By: (Circle One)	Sample Condition	CHECKED BY:
-S.O =	Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	(Initials)
#140	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	SK

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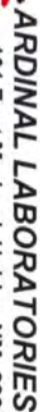
ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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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.					
Project Manager: Cliff Brunson					
Address: P.O. Box 805					
City: Hobbs					
State: NM Zip: 88241					
Phone #: 575-397-6388 Fax #: 575-397-0397					
Project #:					
Project Owner:					
Project Location: New Mexico					
Sample Name: Rock Minerals					
FOR LAB USE ONLY					
Lab I.D. Sample I.D.					
HQ34373	BOTTOM 11303-	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER
SO	11403-	G 1	V	SOIL	OIL
SS	11503-	G 1	V	SLUDGE	OTHER :
SH	11603-	G 1	V	ACID/BASE:	ICE / COOL
SU	11703-	G 1	V	OTHER :	DATE
SV	11803-	G 1	V	TIME	
SW	11903-	G 1	V		
SN	12003-	G 1	V		
SP	12103-	G 1	V		
	12203-	G 1	V		

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Relinquished By: [Signature] Date: 8-15-23 Received By: [Signature]

Time: 8:10 PM Date: 8-10-23 Received By: [Signature]

Delivered By: (Circle One)

-80 - \$140

Cool Intact Yes No

Checked BY: [Signature]

REMARKS:

TPH
BTEX
CL



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc. Project Manager: Cliff Brunson Address: P.O. Box 805 City: Hobbs State: NM Zip: 88241 Phone #: 575-397-6388 Fax #: 575-397-0397 Project #: Project Name: Project Location: New Mexico Sample Name:										BILL TO P.O. #: Company: Oxy Attn: Address: City: State: Zip: Phone #: Fax #:										ANALYSIS REQUEST																													
FOR LAB USE ONLY										Matrix <input type="checkbox"/> (G)RAB OR (C)OMP. <input type="checkbox"/> # CONTAINERS <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> WASTEWATER <input type="checkbox"/> SOIL <input type="checkbox"/> OIL <input type="checkbox"/> SLUDGE <input type="checkbox"/> OTHER : <input type="checkbox"/> ACID/BASE: <input type="checkbox"/> ICE / COOL <input type="checkbox"/> OTHER :										PRESERV SAMPLING																													
Lab I.D. H034373 u1 u2 u3 u4 u5 u6 u7 u8 u9 u10										Sample I.D. Bottling 12303- 124 03- 125 03- 126 03- 127 03- 128 03- 129 03- 130 03- 131 03- 132 03-										DATE 8.9.23 8.9.23 8.9.23 8.9.23 8.9.23 8.9.23 8.9.23 8.9.23 8.9.23 8.9.23										TIME 200 205 210 215 220 225 230 235 240 245										TPH BTEX CL-									
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Delivered By: (Circle One) -802 #140 Sampler - UPS - Bus - Other:										Sample Condition Cool <input type="checkbox"/> Intact <input checked="" type="checkbox"/> Checked By: (Initials)																																							



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc.		P.O. #:									
Project Manager: Cliff Brunson		Company: Oxy									
Address: P.O. Box 805		Attn:									
City: Hobbs		State: NM Zip: 88241									
Phone #: 575-397-6388		Fax #: 575-397-0397									
Project #:		Project Owner: Oxy									
Project Name:		City:									
Project Location: New Mexico		State: Zip:									
Sampler Name: Roger Hernandez		Phone #:									
FOR LAB USE ONLY		Fax #:									
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	DATE	TIME	PH	BTEX	CL-
H034573	Boffom	133 03-	1	✓	✓	✓	8/10/23	1200	✓	✓	✓
71	134 03-	1	✓	✓	✓	✓	8/10/23	1205	✓	✓	✓
72	135 03-	1	✓	✓	✓	✓	8/10/23	1210	✓	✓	✓
73	136 03-	1	✓	✓	✓	✓	8/10/23	1215	✓	✓	✓
74	137 03-	1	✓	✓	✓	✓	8/10/23	1220	✓	✓	✓
75	138 03-	1	✓	✓	✓	✓	8/10/23	1225	✓	✓	✓
76	139 03-	1	✓	✓	✓	✓	8/10/23	1230	✓	✓	✓
77	140 03-	1	✓	✓	✓	✓	8/10/23	1235	✓	✓	✓
78	141 03-	1	✓	✓	✓	✓	8/10/23	1240	✓	✓	✓
79	142 03-	1	✓	✓	✓	✓	8/10/23	1245	✓	✓	✓
80											

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Relinquished By:	Date: 8/1/23	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Date: 8/1/23	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
REMARKS:				

Delivered By: (Circle One)	Sample Condition	CHECKED BY:
Sampler - UPS - Bus - Other:	Cool <input type="checkbox"/> Intact <input type="checkbox"/>	(Initials)

8/14/24



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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[illegible]

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

QUESTIONS

Action 354279

QUESTIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID:	16696
	Action Number:	354279
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2231952023
Incident Name	NAPP2231952023 WHOMPING WILLOW CTB @ 0
Incident Type	Fire
Incident Status	Remediation Closure Report Received

Location of Release Source	
Please answer all the questions in this group.	
Site Name	WHOMPING WILLOW CTB
Date Release Discovered	11/11/2022
Surface Owner	Private

Incident Details	
Please answer all the questions in this group.	
Incident Type	Fire
Did this release result in a fire or is the result of a fire	Yes
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Fire Other (Specify) Crude Oil Released: 1,613 BBL Recovered: 0 BBL Lost: 1,613 BBL.
Produced Water Released (bbls) Details	Cause: Fire Other (Specify) Produced Water Released: 114 BBL Recovered: 100 BBL Lost: 14 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	PRODUCED WATER FIRE

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QUESTIONS, Page 2

Action 354279

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID:	16696
	Action Number:	354279
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more; (2) an unauthorized release of a volume that: (a) results in a fire or is the result of a fire.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com Date: 06/14/2024
--	---

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QUESTIONS, Page 3

Action 354279

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID:	16696
	Action Number:	354279
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 100 and 200 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Between 300 and 500 (ft.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 300 and 500 (ft.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Between 500 and 1000 (ft.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between 500 and 1000 (ft.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	544
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	196
GRO+DRO (EPA SW-846 Method 8015M)	720
BTEX (EPA SW-846 Method 8021B or 8260B)	0.3
Benzene (EPA SW-846 Method 8021B or 8260B)	0.5

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	06/13/2023
On what date will (or did) the final sampling or liner inspection occur	08/10/2023
On what date will (or was) the remediation complete(d)	08/17/2023
What is the estimated surface area (in square feet) that will be reclaimed	29607
What is the estimated volume (in cubic yards) that will be reclaimed	3374
What is the estimated surface area (in square feet) that will be remediated	29607
What is the estimated volume (in cubic yards) that will be remediated	3374

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 354279

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 354279
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
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.	
I hereby agree and sign off to the above statement	Name: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com Date: 06/14/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 354279

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 354279
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 354279

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID:	16696
	Action Number:	354279
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	354257
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/10/2023
What was the (estimated) number of samples that were to be gathered	81
What was the sampling surface area in square feet	29607

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	29607
What was the total volume (cubic yards) remediated	3374
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	29607
What was the total volume (in cubic yards) reclaimed	3374
Summarize any additional remediation activities not included by answers (above)	OXY excavated the spill area as depicted on the following site diagram. The leak (North) was excavated to a depth of 2 feet. The leak area (south) was excavated to a depth of 4 feet. The leak area to the SE was excavated to a depth of 1 foot. OXY collected bottom and sidewall confirmation samples every 200 square feet.

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 (in .pdf format) 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.

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.

I hereby agree and sign off to the above statement	Name: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com Date: 06/14/2024
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District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
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District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 7

Action 354279

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 354279
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 354279

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID:
	16696
	Action Number:
	354279
Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

CONDITIONS

Created By	Condition	Condition Date
crystal.walker	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	6/18/2024