



February 28, 2024

New Mexico Oil Conservation Division

New Mexico Energy, Minerals, and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

**Re: Remediation Work Plan
Twin Lakes SA Unit #019
Incident Number nAPP2405245671
Chaves County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Oxy USA Inc. (Oxy), has prepared the following *Remediation Work Plan (Work Plan)* to document site assessment and delineation activities completed to date and propose remedial actions to address historical impacted soil identified at the Twin Lakes SA Unit #019 well pad (Site). The following *Work Plan* proposes excavation of impacted soil within the historical release area and submittal of a subsequent *Closure Request*, documenting the excavation activities and confirmation soil sample analytical results.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit A, Section 36, Township 8 South, Range 28 East, in Chaves County, New Mexico (33.58108, -104.0361863) and is associated with oil and gas exploration and production operations on state land managed by the New Mexico State Land Office (NMSLO).

During 2021, the NMSLO completed an aerial imagery review of plugged and abandoned wells located on state land in Chaves County. Visible indications of a potential historical release were identified at the Site, and as the lease holder, Oxy was notified by the NMSLO of the need to investigate potential impacts to soil. Oxy contracted BBC International, Inc. (BBC) and Ensolum to conduct assessment and delineation activities within the potential historical release area. Based on the delineation soil sample analytical results, a Notification of Release was submitted to the New Mexico Oil Conservation Division (NMOCD) on February 21, 2024. The release was assigned Incident Number nAPP2405245671.

Oxy is not the Operator of the Twin Lakes SA Unit #019 well, and has no independent knowledge of the facts or circumstances surrounding the nature, content or volume of any release(s), contemporaneous to any such release(s). All information submitted by Oxy herein is based on Oxy's present day observations of the site. Oxy submits this Work Plan pursuant to an agreement with the NMSLO, as lessee of record.

Since the release occurred on a previously disturbed well pad and access road, compliance with the Cultural Properties Protection Rule (CPP) is not required. The oil and gas well has been plugged and abandoned. Upon completion of remediation activities and closure approval of Incident Number

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nAPP2405245671, a Reclamation Plan will be submitted to the NMSLO proposing final reclamation activities for the well pad and access road.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess the applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization are summarized below and detailed in the NMOCD permitting portal Form C-141 Site Characterization section. Potential Site receptors are identified on Figure 1.

Depth to groundwater at the Site is estimated to be less than 50 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with depth to groundwater data is United States Geologic Survey (USGS) well 333423104032401, located approximately 1.3 miles southwest of the Site. The well has a recorded depth to groundwater of 35.77 feet bgs and a total depth of 157 feet. The referenced well records are included in Appendix A. All wells used for depth to groundwater determination are depicted on Figure 1.

The closest continuously flowing or significant watercourse is greater than 300 feet from the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology. Site receptors are identified on Figure 1.

Based on the results of the Site Characterization, the following NMOCD Table I Closure Criteria (Closure Criteria) apply:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH): 100 mg/kg
- Chloride: 600 mg/kg

SITE ASSESSMENT AND DELINEATION ACTIVITIES

During November 2021 and January 2024, BBC and Ensolum personnel were at the Site to evaluate the release extent based on information provided by the NMSLO and visual observations. Delineation soil samples were collected from five locations (North, East, East 2, West, and South) around the historical release extent from depths ranging from the ground surface to 3 feet bgs to assess the lateral extent of the release. Potholes were advanced at 28 sample points (SP1 through SP28) within the historical release area, to assess the vertical extent of impacted soil. The potholes were advanced to depths ranging from 2 feet to 4 feet bgs. Discrete delineation soil samples were collected from sample points SP1 through SP28 at depths ranging from the ground surface to 4 feet bgs. Soil from the potholes was field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. Field screening results and observations for the January 2024 potholes were logged on lithologic soil sampling logs, which are included in Appendix B.

The delineation soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico, for analysis of the following constituents of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-gasoline range organics (GRO), TPH-

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diesel range organics (DRO), and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following Standard Method SM4500.

The release extent and delineation soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation was completed during the Site visits and a photographic log is included in Appendix C.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for the lateral assessment samples collected from sample points East, East 2, West, and South, collected at depths ranging from the ground surface to 2 feet bgs, indicated all COC concentrations were compliant with the Site Closure Criteria and confirmed the lateral extent of the release to the east, west, and south. Laboratory analytical results for the delineation soil samples collected from sample points SP24 through SP27, collected at depths ranging from the ground surface to 2 feet bgs, indicated all COC concentrations were compliant with the Site Closure Criteria. Laboratory analytical results for the delineation soil samples collected from sample points North, SP1 through SP23, and SP28 indicated that TPH and/or chloride concentrations exceeded the Site Closure Criteria at depths ranging from the ground surface to 3 feet bgs. Laboratory analytical results are summarized on the attached Table 1 and the complete laboratory analytical reports are included in Appendix D.

Based on the soil sample analytical results, additional remediation activities are warranted and are proposed below.

PROPOSED REMEDIATION WORKPLAN

The delineation soil sample results indicated soil containing TPH and/or chloride concentrations exceeding the Site Closure Criteria is present across an approximate 90,000 square foot area around sample points North, SP1 through SP23, and SP28 and extends to a depth ranging from 1-foot to 3 feet bgs in the area around sample points SP1 through SP23, and SP28 and to a depth greater than 3 feet bgs in the area around sample point North. Based on the delineation soil sample analytical results, Oxy proposes to complete the following remediation activities:

- The impacted soil identified within the release area will be excavated. Excavation will proceed laterally and vertically until excavation sidewall and floor samples confirm all COC concentrations are compliant with the Site Closure Criteria.
 - 5-point composite soil samples will be collected from the sidewalls and floor of the final excavation extent. The 5-point composite samples will be collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing.
 - The excavation sidewall samples will be collected at a frequency of every 200 square feet.
 - Due to the estimated size of the excavation (90,000 square feet), Oxy requests a variance for frequency of excavation floor samples. Oxy proposes collecting floor samples at a frequency of every 400 square feet from the floor of the excavation.
 - The excavation confirmation soil samples will be handled as described above and analyzed for BTEX, TPH, and chloride.
- An estimated 5,000 cubic yards of impacted soil will be excavated. The excavated soil will be transported to an approved landfill facility for disposal.
- Upon completion of excavation activities, the excavation will be backfilled with locally procured backfill and topsoil and recontoured to match pre-existing conditions. Since the well has been

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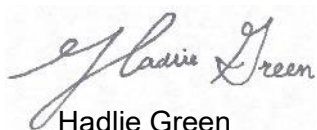
plugged and abandoned, a Reclamation Plan for the well pad and access road will be submitted to the NMSLO upon closure approval of Incident Number nAPP2405245671.

Oxy will complete the excavation activities within 90 days of the date of approval of this *Work Plan* by the NMOCD. A *Closure Request* detailing the excavation activities will be submitted to the NMOCD and NMSLO upon completion of excavation activities and receipt of final laboratory analytical results.

Oxy believes the scope of work described above meets the requirements set forth in 19.15.29 NMAC and is protective of human health, the environment, and groundwater and respectfully requests approval of this *Work Plan* for Incident Number nAPP2405245671.

If you have any questions or comments, please contact Ms. Aimee Cole at (720) 384-7365 or acole@ensolum.com.

Sincerely,
Ensolum, LLC



Hadlie Green
Project Geologist



Aimee Cole
Senior Managing Scientist

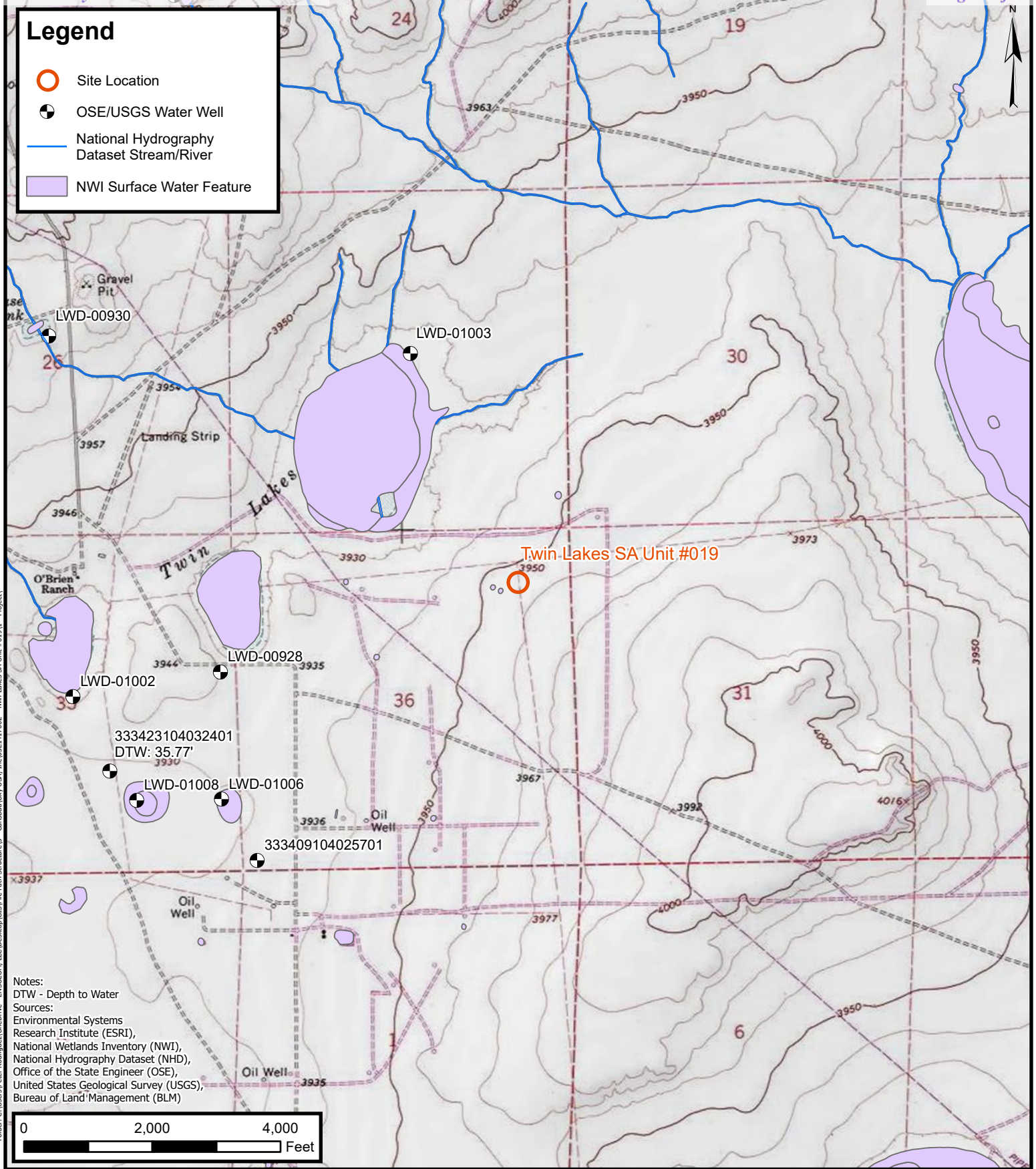
cc: Kalei Jennings, Oxy USA Inc.
New Mexico State Land Office

Appendices:

Figure 1	Site Receptor Map
Figure 2	Delineation Soil Sample Locations
Figure 3	Proposed Excavation Extent
Table 1	Soil Sample Analytical Results
Appendix A	Referenced Well Records
Appendix B	Lithologic Soil Sampling Logs
Appendix C	Photographic Log
Appendix D	Laboratory Analytical Reports & Chain-of-Custody Documentation



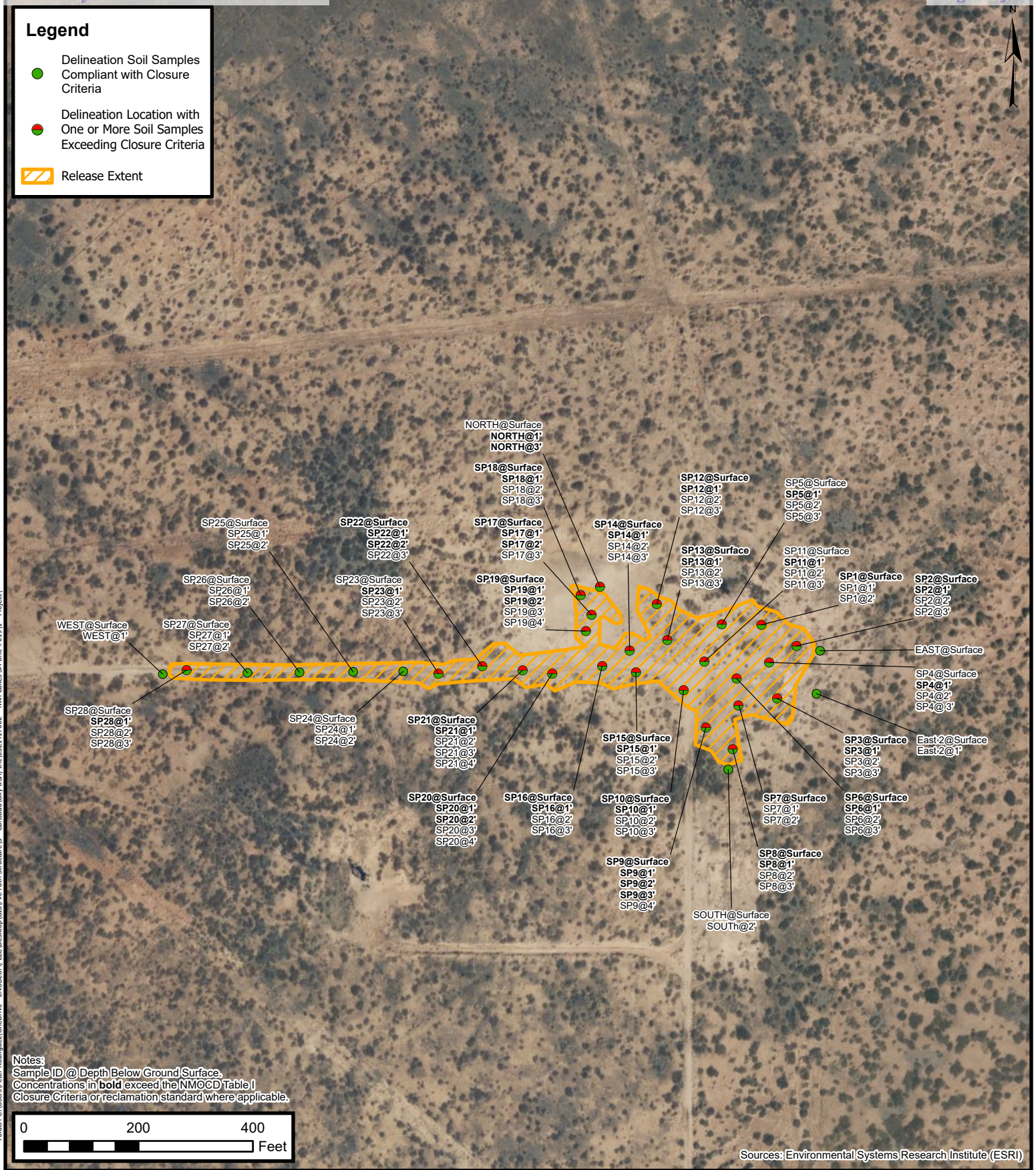
FIGURES



ENSOLUM
Environmental, Engineering and
Hydrogeologic Consultants

Site Receptor Map
Oxy USA, Inc.
Twin Lakes SA Unit #019
Incident Number: nAPP2405245671
A-36-08S-28E
Chaves County, New Mexico

FIGURE
1



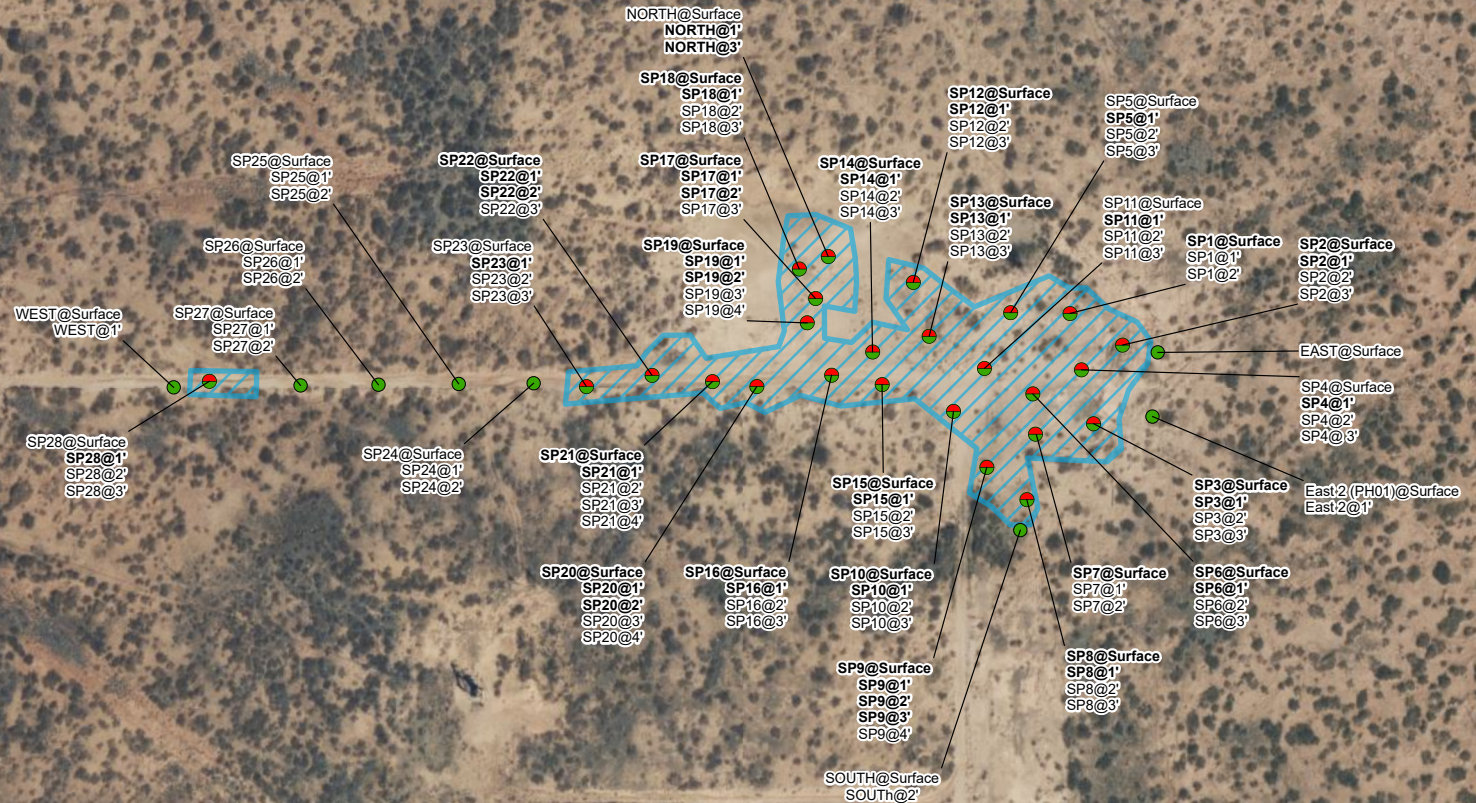
Delineation Soil Sample Locations

Oxy USA Inc.
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A-36-08S-28E
Chaves County, New Mexico

FIGURE
2

Legend

- Delineation Soil Samples
Compliant with Closure
Criteria
- Delineation Location with
One or More Soil Samples
Exceeding Closure Criteria
- Proposed Excavation
Extent



Notes:
 Sample ID @ Depth Below Ground Surface.
 Concentrations in **bold** exceed the NMOC Table I
 Closure Criteria or reclamation standard where applicable.

0 200 400
 Feet

Sources: Environmental Systems Research Institute (ESRI)

Proposed Excavation Extent

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 A-36-08S-28E
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FIGURE

3



TABLES

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Twin Lakes SA Unit #019
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Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
Lateral Assessment Soil Samples										
North	11/22/2021	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
North	01/31/2024	1	<0.050	<0.300	<50.0	1,790	1,450	1,790	3,240	3,360
North	02/08/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,300
East	11/22/2021	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
East 2	01/24/2024	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
East 2	01/24/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
West	11/22/2021	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
West	01/24/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
South	11/22/2021	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
South	01/24/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
Delineation Soil Samples										
SP1	11/22/2021	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	976
SP1	11/22/2021	1	<0.050	<0.300	<10.0	11.5	15.1	11.5	26.6	176
SP1	11/22/2021	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SP 2	11/22/2021	Surface	<0.050	<0.300	<10.0	33.4	18.8	33.4	52.2	1,920
SP2	11/22/2021	1	<0.050	<0.300	<10.0	108	115	108	223	720
SP2	11/22/2021	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432
SP2	11/22/2021	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SP3	11/22/2021	Surface	<0.050	<0.300	<10.0	165	268	165	433	80.0
SP3	11/22/2021	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	912
SP3	11/22/2021	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
SP3	11/22/2021	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SP4	11/22/2021	Surface	<0.050	<0.300	<10.0	<10.0	10.1	<10.0	10.1	544
SP4	11/22/2021	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	640
SP4	11/22/2021	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448
SP4	11/22/2021	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0

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NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
SP5	11/22/2021	Surface	<0.050	<0.300	<10.0	11.5	15.7	11.5	27.2	192
SP5	11/22/2021	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,220
SP5	11/22/2021	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
SP5	11/22/2021	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SP6	11/22/2021	Surface	<0.050	<0.300	<10.0	364	436	364	800	288
SP6	11/22/2021	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	736
SP6	11/22/2021	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448
SP6	11/22/2021	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
SP7	11/23/2021	Surface	<0.050	<0.300	<10.0	59.0	106	59.0	165	64.0
SP7	11/23/2021	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
SP7	11/23/2021	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
SP8	11/23/2021	Surface	<0.050	<0.300	<10.0	123	168	123	291	64.0
SP8	11/23/2021	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,870
SP8	11/23/2021	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
SP8	11/23/2021	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
SP9	11/23/2021	Surface	<0.050	<0.300	<10.0	81.7	154	81.7	236	7,440
SP9	11/23/2021	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,240
SP9	11/23/2021	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,400
SP9	11/23/2021	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	688
SP9	11/23/2021	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SP10	11/23/2021	Surface	<0.050	<0.300	<10.0	59.7	64.6	59.7	124	304
SP10	11/23/2021	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,120
SP10	11/23/2021	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
SP10	11/23/2021	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0

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Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
SP11	11/23/2021	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SP11	11/23/2021	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,070
SP11	11/23/2021	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
SP11	11/23/2021	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	114
SP12	11/23/2021	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	13,100
SP12	11/23/2021	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,120
SP12	11/23/2021	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
SP12	11/23/2021	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SP13	11/23/2021	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	12,000
SP13	11/23/2021	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	896
SP13	11/23/2021	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
SP13	11/23/2021	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
SP14	11/23/2021	Surface	<0.050	<0.300	<10.0	209	263	209	472	2,480
SP14	11/23/2021	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,060
SP14	11/23/2021	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
SP14	11/23/2021	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SP15	11/23/2021	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,330
SP15	11/23/2021	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,920
SP15	11/23/2021	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
SP15	11/23/2021	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SP16	11/23/2021	Surface	<0.050	<0.300	<10.0	116	101	116	217	2,920
SP16	11/23/2021	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,490
SP16	11/23/2021	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432
SP16	11/23/2021	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0

TABLE 1
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 Twin Lakes SA Unit #019
 Oxy USA Inc.
 Chaves County, New Mexico

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NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
SP17	11/29/2021	Surface	<0.050	<0.300	<10.0	199	198	199	397	1,360
SP17	11/29/2021	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,330
SP17	11/29/2021	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	640
SP17	11/29/2021	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
SP18 @ Surface	11/29/2021	Surface	<0.050	<0.300	<10.0	1,050	991	1,050	2,041	512
SP18 @ 1'	11/29/2021	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,460
SP18 @ 2'	11/29/2021	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
SP18 @ 3'	11/29/2021	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
SP19	11/29/2021	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,800
SP19	11/29/2021	1	<0.050	<0.300	<10.0	526	588	526	1,114	2,404
SP19	11/29/2021	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	640
SP19	11/29/2021	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
SP19	11/29/2021	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
SP20	11/29/2021	Surface	<0.050	<0.300	<10.0	27.6	20.5	27.6	48.1	12,200
SP20	11/29/2021	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,680
SP20	11/29/2021	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,460
SP20	11/29/2021	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	528
SP20	11/29/2021	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
SP21	11/29/2021	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,080
SP21	11/29/2021	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,280
SP21	11/29/2021	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	528
SP21	11/29/2021	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
SP21	11/29/2021	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
SP22	11/29/2021	Surface	<0.050	<0.300	<10.0	644	895	644	1,539	528
SP22	11/29/2021	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,600
SP22	11/29/2021	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	704
SP22	11/29/2021	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Twin Lakes SA Unit #019
 Oxy USA Inc.
 Chaves County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
SP23	11/30/2021	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
SP23	11/30/2021	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,400
SP23	11/30/2021	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
SP23	11/30/2021	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SP24	11/30/2021	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SP24	11/30/2021	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SP24	11/30/2021	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SP25	11/30/2021	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SP25	11/30/2021	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SP25	11/30/2021	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SP26	11/30/2021	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
SP26	11/30/2021	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SP26	11/30/2021	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SP27	11/30/2021	Surface	<0.050	<0.300	<10.0	14.8	<10.0	14.8	14.8	80.0
SP27	11/30/2021	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496
SP27	11/30/2021	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SP28	11/30/2021	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
SP28	11/30/2021	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,200
SP28	11/30/2021	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
SP28	11/30/2021	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0

Notes:

bgs: below ground surface
 mg/kg: milligrams per kilogram
 NMOCD: New Mexico Oil Conservation Division
 NMAC: New Mexico Administrative Code
 BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes
 Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation standard where applicable.

GRO: Gasoline Range Organics
 DRO: Diesel Range Organics
 ORO: Oil Range Organics
 TPH: Total Petroleum Hydrocarbon
 Grey text represents samples that have been excavated



APPENDIX A

Referenced Well Records



National Water Information System: Web Interface


USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

GO

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- Explore the *NEW* [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.
- [Full News](#) 

Groundwater levels for New Mexico

Click to hide state-specific text

 Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 333423104032401

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 333423104032401 08S.28E.35.41334

Chaves County, New Mexico
Latitude 33°34'23", Longitude 104°03'24" NAD27
Land-surface elevation 3,931 feet above NAVD88
The depth of the well is 157 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1978-10-18		D	62610		3895.00	NGVD29	1	Z			A
1978-10-18		D	62611		3896.86	NAVD88	1	Z			A
1978-10-18		D	72019	34.14			1	Z			A
1984-02-16		D	62610		3893.37	NGVD29	1	Z			A
1984-02-16		D	62611		3895.23	NAVD88	1	Z			A
1984-02-16		D	72019	35.77			1	Z			A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Title: Groundwater for New Mexico: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>

Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2024-02-07 16:44:11 EST


0.36 0.31 nadww02





New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)				(NAD83 UTM in meters)			
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	RA 09732			1	22	08S	28E	585283	3719179* 
Driller License:	1082	Driller Company:			SPEARS, JACK DRILLING CO.				
Driller Name:	SPEARS, JACK								
Drill Start Date:	05/14/1999	Drill Finish Date:			06/17/1999		Plug Date:		
Log File Date:	06/22/1999	PCW Rev Date:					Source:		Shallow
Pump Type:		Pipe Discharge Size:					Estimated Yield:		10 GPM
Casing Size:	5.00	Depth Well:			922 feet		Depth Water:		600 feet
Water Bearing Stratifications:				Top	Bottom	Description			
				862	920	Shallow Alluvium/Basin Fill			
Casing Perforations:				Top	Bottom				
				832	922				

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.


2/7/24 2:46 PM


POINT OF DIVERSION SUMMARY





APPENDIX B

Lithologic Soil Sampling Logs

								Sample Name: North		Date: Jan 30, 2024	
								Site Name: Twin Lakes SA Unit #019			
								Incident Number:			
								Job Number: 03E1417002			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: K Shimada		Method: Hand Auger	
Coordinates: 33.580637, -104.037201								Hole Diameter: 4"		Total Depth: 3'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factor included. D-Dry: N-No											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
D			N		Surface	Surface	SW	SAND, brown, well graded, fine grain, rounded, dry, no stain, no odor.			
D	1971	1.4	N	North	1	1	SW-SC	SAND, dark brown, well graded, abundant clay, rounded, dry, no stain, no odor.			
D	1590	0.5	N			2	SW-SC	SAND, dark brown, well graded, some clay, rounded, dry, no stain, no odor.			
D	2996	0.2	N	North	3	3	CL	CLAY, brown, subrounded, some sand, dry, no stain, no odor.			
Total Depth @ 3 feet bgs											
<div style="position: absolute; top: 0; right: 0; width: 100%; height: 100%; border-left: 1px solid black; border-bottom: 1px solid black;"></div>											

								Sample Name: East 2		Date: Jan 24, 2024	
								Site Name: Twin Lakes SA Unit #019			
								Incident Number:			
								Job Number: 03E1417002			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: K Shimada		Method: Backhoe	
Coordinates: 33.5801147, -104.0359640								Hole Diameter: N/A		Total Depth: 1'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factor included. D-Dry: ND- Non Detect: N-No											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
D	ND	0.0	N	East 2	Surface	Surface	SW-SC	SAND, dark brown, well graded, abundant clay, rounded, dry, no stain, no odor.			
D	ND	0.0	N	East 2	1	1	CL	CLAY, dark brown, subrounded, some sand, dry, no stain, no odor.			
Total Depth @ 1 foot bgs											
<div style="position: absolute; top: 0; left: 0; right: 0; bottom: 0; border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black;"></div>											

								Sample Name: West		Date: Jan 24, 2024	
								Site Name: Twin Lakes SA Unit #019			
								Incident Number:			
								Job Number: 03E1417002			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: K Shimada		Method: Backhoe	
Coordinates: 33.5802365, -104.0397129								Hole Diameter: N/A		Total Depth: 1'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factor included. D-Dry: ND- Non Detect: N-No											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
D	ND	0.0	N	West	Surface	Surface	SW-SC	SAND, dark brown, well graded, abundant clay, rounded, dry, no stain, no odor.			
D	ND	0.0	N	West	1	1	CL	CLAY, dark brown, subrounded, some sand, dry, no stain, no odor.			
Total Depth @ 1 foot bgs											

								Sample Name: South		Date: Jan 24, 2024	
								Site Name: Twin Lakes SA Unit #019			
								Incident Number:			
								Job Number: 03E1417002			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: K Shimada		Method: Backhoe	
Coordinates: 33.5797552, -104.0364743								Hole Diameter: N/A		Total Depth: 2'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factor included. D-Dry: ND- Non Detect: N-No											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
D			N		Surface	Surface	SW-SC	SAND, dark brown, well graded, abundant clay, rounded, dry, no stain, no odor.			
D	ND	0.9	N			1	CL	CLAY, dark brown, subrounded, some sand, dry, no stain, no odor.			
D	1086	0.0	N	South	2	2	CL	CLAY, light brown, subrounded, some sand, dry, no stain, no odor.			
Total Depth @ 2 feet bgs											



APPENDIX C

Photographic Log

**Photographic Log**

Oxy USA Inc.

Twin Lakes SA Unit #019

Incident Number nAPP2405245671

West Elevation

☉ 88°E (T) • 33.580172, -104.036043 ±18m

**North East Elevation**

☉ 250°SW (T) • 33.580862, -104.037115 ±6m



Photograph 1

Date: 01/24/2024

Description: Delineation Activities

View: West

Photograph 2

Date: 01/24/2024

Description: Delineation Activities

View: Northeast

South West Elevation

☉ 35°NE (T) • 33.580646, -104.03742 ±7m

**North West Elevation**

☉ 145°SE (T) • 33.580707, -104.037175 ±7m



Photograph 3

Date: 01/24/2024

Description: Delineation Activities

View: Southwest

Photograph 4

Date: 02/08/2024

Description: Delineation Activities

View: Northwest



APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation



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

December 06, 2021

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: TWIN LAKES SA UNIT #19

Enclosed are the results of analyses for samples received by the laboratory on 12/02/21 11:33.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/02/2021	Sampling Date:	11/29/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 17 @ 3' (H213455-01)

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	12/03/2021	ND	2.09	105	2.00	2.07	
Toluene*	<0.050	0.050	12/03/2021	ND	2.03	102	2.00	1.09	
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	2.02	101	2.00	0.863	
Total Xylenes*	<0.150	0.150	12/03/2021	ND	6.25	104	6.00	0.226	
Total BTEX	<0.300	0.300	12/03/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	12/04/2021	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	12/03/2021	ND	215	108	200	3.66	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	206	103	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 100 % 44.3-133

Surrogate: 1-Chlorooctadecane 94.2 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/02/2021
 Reported: 12/06/2021
 Project Name: TWIN LAKES SA UNIT #19
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/29/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 18 @ SURFACE (H213455-02)

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	12/03/2021	ND	2.09	105	2.00	2.07		
Toluene*	<0.050	0.050	12/03/2021	ND	2.03	102	2.00	1.09		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	2.02	101	2.00	0.863		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	6.25	104	6.00	0.226		
Total BTEx	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	12/04/2021	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*	<50.0	50.0	12/03/2021	ND	215	108	200	3.66	
DRO >C10-C28*	1050	50.0	12/03/2021	ND	206	103	200	3.39	
EXT DRO >C28-C36	991	50.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 88.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 120 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/02/2021
 Reported: 12/06/2021
 Project Name: TWIN LAKES SA UNIT #19
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/29/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 18 @ 1' (H213455-03)

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	12/03/2021	ND	2.09	105	2.00	2.07	
Toluene*	<0.050	0.050	12/03/2021	ND	2.03	102	2.00	1.09	
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	2.02	101	2.00	0.863	
Total Xylenes*	<0.150	0.150	12/03/2021	ND	6.25	104	6.00	0.226	
Total BTEx	<0.300	0.300	12/03/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1460	16.0	12/04/2021	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	12/03/2021	ND	215	108	200	3.66	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	206	103	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 98.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 94.3 % 38.9-142

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Analytical Results For:

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

Received:	12/02/2021	Sampling Date:	11/29/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 18 @ 2' (H213455-04)

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	12/03/2021	ND	2.09	105	2.00	2.07		
Toluene*	<0.050	0.050	12/03/2021	ND	2.03	102	2.00	1.09		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	2.02	101	2.00	0.863		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	6.25	104	6.00	0.226		
Total BTEX	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	12/04/2021	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	12/03/2021	ND	215	108	200	3.66	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	206	103	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 86.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 83.1 % 38.9-142

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Analytical Results For:

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

Received: 12/02/2021
 Reported: 12/06/2021
 Project Name: TWIN LAKES SA UNIT #19
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/29/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 18 @ 3' (H213455-05)

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	12/03/2021	ND	2.09	105	2.00	2.07		
Toluene*	<0.050	0.050	12/03/2021	ND	2.03	102	2.00	1.09		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	2.02	101	2.00	0.863		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	6.25	104	6.00	0.226		
Total BTEx	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	12/04/2021	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	12/03/2021	ND	215	108	200	3.66	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	206	103	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 92.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 87.0 % 38.9-142

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Analytical Results For:

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

Received:	12/02/2021	Sampling Date:	11/29/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 19 @ SURFACE (H213455-06)

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	12/03/2021	ND	2.09	105	2.00	2.07		
Toluene*	<0.050	0.050	12/03/2021	ND	2.03	102	2.00	1.09		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	2.02	101	2.00	0.863		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	6.25	104	6.00	0.226		
Total BTEx	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4800	16.0	12/04/2021	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	12/05/2021	ND	228	114	200	11.7	
DRO >C10-C28*	<10.0	10.0	12/05/2021	ND	219	109	200	0.594	
EXT DRO >C28-C36	<10.0	10.0	12/05/2021	ND					

Surrogate: 1-Chlorooctane 97.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 98.9 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	12/02/2021	Sampling Date:	11/29/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 19 @ 1' (H213455-07)

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	12/03/2021	ND	2.09	105	2.00	2.07		
Toluene*	<0.050	0.050	12/03/2021	ND	2.03	102	2.00	1.09		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	2.02	101	2.00	0.863		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	6.25	104	6.00	0.226		
Total BTEx	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2040	16.0	12/04/2021	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	12/06/2021	ND	228	114	200	11.7	
DRO >C10-C28*	526	10.0	12/06/2021	ND	219	109	200	0.594	
EXT DRO >C28-C36	588	10.0	12/06/2021	ND					

Surrogate: 1-Chlorooctane 101 % 44.3-133

Surrogate: 1-Chlorooctadecane 114 % 38.9-142

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Analytical Results For:

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

Received:	12/02/2021	Sampling Date:	11/29/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 19 @ 2' (H213455-08)

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	12/03/2021	ND	2.09	105	2.00	2.07		
Toluene*	<0.050	0.050	12/03/2021	ND	2.03	102	2.00	1.09		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	2.02	101	2.00	0.863		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	6.25	104	6.00	0.226		
Total BTEx	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	640	16.0	12/04/2021	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	12/05/2021	ND	228	114	200	11.7	
DRO >C10-C28*	<10.0	10.0	12/05/2021	ND	219	109	200	0.594	
EXT DRO >C28-C36	<10.0	10.0	12/05/2021	ND					

Surrogate: 1-Chlorooctane 122 % 44.3-133

Surrogate: 1-Chlorooctadecane 133 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	12/02/2021	Sampling Date:	11/29/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 19 @ 3' (H213455-09)

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	12/03/2021	ND	2.09	105	2.00	2.07		
Toluene*	<0.050	0.050	12/03/2021	ND	2.03	102	2.00	1.09		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	2.02	101	2.00	0.863		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	6.25	104	6.00	0.226		
Total BTEx	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	12/04/2021	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	12/05/2021	ND	228	114	200	11.7	
DRO >C10-C28*	<10.0	10.0	12/05/2021	ND	219	109	200	0.594	
EXT DRO >C28-C36	<10.0	10.0	12/05/2021	ND					

Surrogate: 1-Chlorooctane 120 % 44.3-133

Surrogate: 1-Chlorooctadecane 119 % 38.9-142

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Analytical Results For:

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

Received: 12/02/2021
 Reported: 12/06/2021
 Project Name: TWIN LAKES SA UNIT #19
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/29/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 19 @ 4' (H213455-10)

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	12/03/2021	ND	2.09	105	2.00	2.07		
Toluene*	<0.050	0.050	12/03/2021	ND	2.03	102	2.00	1.09		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	2.02	101	2.00	0.863		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	6.25	104	6.00	0.226		
Total BTEx	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	12/04/2021	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	12/05/2021	ND	228	114	200	11.7	
DRO >C10-C28*	<10.0	10.0	12/05/2021	ND	219	109	200	0.594	
EXT DRO >C28-C36	<10.0	10.0	12/05/2021	ND					

Surrogate: 1-Chlorooctane 117 % 44.3-133

Surrogate: 1-Chlorooctadecane 118 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	12/02/2021	Sampling Date:	11/29/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 20 @ SURFACE (H213455-11)

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	12/03/2021	ND	2.09	105	2.00	2.07		
Toluene*	<0.050	0.050	12/03/2021	ND	2.03	102	2.00	1.09		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	2.02	101	2.00	0.863		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	6.25	104	6.00	0.226		
Total BTEx	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	12200	16.0	12/04/2021	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	12/05/2021	ND	228	114	200	11.7	
DRO >C10-C28*	27.6	10.0	12/05/2021	ND	219	109	200	0.594	
EXT DRO >C28-C36	20.5	10.0	12/05/2021	ND					

Surrogate: 1-Chlorooctane 98.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 105 % 38.9-142

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

Received:	12/02/2021	Sampling Date:	11/29/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 20 @ 1' (H213455-12)

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	12/03/2021	ND	2.09	105	2.00	2.07		
Toluene*	<0.050	0.050	12/03/2021	ND	2.03	102	2.00	1.09		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	2.02	101	2.00	0.863		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	6.25	104	6.00	0.226		
Total BTEX	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3680	16.0	12/04/2021	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	12/05/2021	ND	228	114	200	11.7	
DRO >C10-C28*	<10.0	10.0	12/05/2021	ND	219	109	200	0.594	
EXT DRO >C28-C36	<10.0	10.0	12/05/2021	ND					

Surrogate: 1-Chlorooctane 124 % 44.3-133

Surrogate: 1-Chlorooctadecane 123 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/02/2021
 Reported: 12/06/2021
 Project Name: TWIN LAKES SA UNIT #19
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/29/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 20 @ 2' (H213455-13)

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	12/03/2021	ND	2.09	105	2.00	2.07		
Toluene*	<0.050	0.050	12/03/2021	ND	2.03	102	2.00	1.09		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	2.02	101	2.00	0.863		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	6.25	104	6.00	0.226		
Total BTEX	<0.300	0.300	12/03/2021	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1460	16.0	12/04/2021	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	12/05/2021	ND	228	114	200	11.7	
DRO >C10-C28*	<10.0	10.0	12/05/2021	ND	219	109	200	0.594	
EXT DRO >C28-C36	<10.0	10.0	12/05/2021	ND					

Surrogate: 1-Chlorooctane 115 % 44.3-133

Surrogate: 1-Chlorooctadecane 113 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/02/2021	Sampling Date:	11/29/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 20 @ 3' (H213455-14)

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	12/03/2021	ND	2.09	105	2.00	2.07	
Toluene*	<0.050	0.050	12/03/2021	ND	2.03	102	2.00	1.09	
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	2.02	101	2.00	0.863	
Total Xylenes*	<0.150	0.150	12/03/2021	ND	6.25	104	6.00	0.226	
Total BTEx	<0.300	0.300	12/03/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	12/04/2021	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	12/05/2021	ND	228	114	200	11.7	
DRO >C10-C28*	<10.0	10.0	12/05/2021	ND	219	109	200	0.594	
EXT DRO >C28-C36	<10.0	10.0	12/05/2021	ND					

Surrogate: 1-Chlorooctane 128 % 44.3-133

Surrogate: 1-Chlorooctadecane 128 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/02/2021
 Reported: 12/06/2021
 Project Name: TWIN LAKES SA UNIT #19
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/29/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 20 @ 4' (H213455-15)

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	12/03/2021	ND	2.09	105	2.00	2.07		
Toluene*	<0.050	0.050	12/03/2021	ND	2.03	102	2.00	1.09		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	2.02	101	2.00	0.863		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	6.25	104	6.00	0.226		
Total BTEx	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	12/04/2021	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	12/05/2021	ND	228	114	200	11.7	
DRO >C10-C28*	<10.0	10.0	12/05/2021	ND	219	109	200	0.594	
EXT DRO >C28-C36	<10.0	10.0	12/05/2021	ND					

Surrogate: 1-Chlorooctane 116 % 44.3-133

Surrogate: 1-Chlorooctadecane 117 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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 Cliff Brunson
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 Fax To: (575) 397-0397

Received:	12/02/2021	Sampling Date:	11/29/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 21 @ SURFACE (H213455-16)

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	12/03/2021	ND	2.09	105	2.00	2.07		
Toluene*	<0.050	0.050	12/03/2021	ND	2.03	102	2.00	1.09		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	2.02	101	2.00	0.863		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	6.25	104	6.00	0.226		
Total BTEx	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4080	16.0	12/04/2021	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	12/05/2021	ND	228	114	200	11.7	
DRO >C10-C28*	<10.0	10.0	12/05/2021	ND	219	109	200	0.594	
EXT DRO >C28-C36	<10.0	10.0	12/05/2021	ND					

Surrogate: 1-Chlorooctane 112 % 44.3-133

Surrogate: 1-Chlorooctadecane 109 % 38.9-142

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Analytical Results For:

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

Received: 12/02/2021
 Reported: 12/06/2021
 Project Name: TWIN LAKES SA UNIT #19
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/29/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 21 @ 1' (H213455-17)

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	12/03/2021	ND	2.09	105	2.00	2.07	
Toluene*	<0.050	0.050	12/03/2021	ND	2.03	102	2.00	1.09	
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	2.02	101	2.00	0.863	
Total Xylenes*	<0.150	0.150	12/03/2021	ND	6.25	104	6.00	0.226	
Total BTEx	<0.300	0.300	12/03/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2280	16.0	12/04/2021	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	12/05/2021	ND	228	114	200	11.7	
DRO >C10-C28*	<10.0	10.0	12/05/2021	ND	219	109	200	0.594	
EXT DRO >C28-C36	<10.0	10.0	12/05/2021	ND					

Surrogate: 1-Chlorooctane 113 % 44.3-133

Surrogate: 1-Chlorooctadecane 112 % 38.9-142

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Analytical Results For:

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

Received:	12/02/2021	Sampling Date:	11/29/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 21 @ 2' (H213455-18)

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	12/03/2021	ND	2.09	105	2.00	2.07		
Toluene*	<0.050	0.050	12/03/2021	ND	2.03	102	2.00	1.09		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	2.02	101	2.00	0.863		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	6.25	104	6.00	0.226		
Total BTEX	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	12/04/2021	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	12/05/2021	ND	228	114	200	11.7		
DRO >C10-C28*	<10.0	10.0	12/05/2021	ND	219	109	200	0.594		
EXT DRO >C28-C36	<10.0	10.0	12/05/2021	ND						

Surrogate: 1-Chlorooctane 109 % 44.3-133

Surrogate: 1-Chlorooctadecane 108 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	12/02/2021	Sampling Date:	11/29/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 21 @ 3' (H213455-19)

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	12/04/2021	ND	2.02	101	2.00	2.94	
Toluene*	<0.050	0.050	12/04/2021	ND	1.91	95.5	2.00	9.34	
Ethylbenzene*	<0.050	0.050	12/04/2021	ND	1.88	94.2	2.00	11.1	
Total Xylenes*	<0.150	0.150	12/04/2021	ND	5.86	97.7	6.00	8.88	
Total BTEx	<0.300	0.300	12/04/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	12/04/2021	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	12/05/2021	ND	228	114	200	11.7	
DRO >C10-C28*	<10.0	10.0	12/05/2021	ND	219	109	200	0.594	
EXT DRO >C28-C36	<10.0	10.0	12/05/2021	ND					

Surrogate: 1-Chlorooctane 121 % 44.3-133

Surrogate: 1-Chlorooctadecane 120 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/02/2021
 Reported: 12/06/2021
 Project Name: TWIN LAKES SA UNIT #19
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/29/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 21 @ 4' (H213455-20)

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	12/04/2021	ND	2.02	101	2.00	2.94		
Toluene*	<0.050	0.050	12/04/2021	ND	1.91	95.5	2.00	9.34		
Ethylbenzene*	<0.050	0.050	12/04/2021	ND	1.88	94.2	2.00	11.1		
Total Xylenes*	<0.150	0.150	12/04/2021	ND	5.86	97.7	6.00	8.88		
Total BTEx	<0.300	0.300	12/04/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	12/04/2021	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	12/05/2021	ND	228	114	200	11.7	
DRO >C10-C28*	<10.0	10.0	12/05/2021	ND	219	109	200	0.594	
EXT DRO >C28-C36	<10.0	10.0	12/05/2021	ND					

Surrogate: 1-Chlorooctane 113 % 44.3-133

Surrogate: 1-Chlorooctadecane 112 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/02/2021	Sampling Date:	11/29/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 22 @ SURFACE (H213455-21)

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	12/04/2021	ND	2.02	101	2.00	2.94		
Toluene*	<0.050	0.050	12/04/2021	ND	1.91	95.5	2.00	9.34		
Ethylbenzene*	<0.050	0.050	12/04/2021	ND	1.88	94.2	2.00	11.1		
Total Xylenes*	<0.150	0.150	12/04/2021	ND	5.86	97.7	6.00	8.88		
Total BTEX	<0.300	0.300	12/04/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	12/04/2021	ND	432	108	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	12/06/2021	ND	228	114	200	11.7	
DRO >C10-C28*	644	10.0	12/06/2021	ND	219	109	200	0.594	
EXT DRO >C28-C36	895	10.0	12/06/2021	ND					

Surrogate: 1-Chlorooctane 124 % 44.3-133

Surrogate: 1-Chlorooctadecane 183 % 38.9-142

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Analytical Results For:

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

Received: 12/02/2021
 Reported: 12/06/2021
 Project Name: TWIN LAKES SA UNIT #19
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/29/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 22 @ 1' (H213455-22)

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	12/04/2021	ND	2.02	101	2.00	2.94		
Toluene*	<0.050	0.050	12/04/2021	ND	1.91	95.5	2.00	9.34		
Ethylbenzene*	<0.050	0.050	12/04/2021	ND	1.88	94.2	2.00	11.1		
Total Xylenes*	<0.150	0.150	12/04/2021	ND	5.86	97.7	6.00	8.88		
Total BTEX	<0.300	0.300	12/04/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1600	16.0	12/04/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2021	ND	228	114	200	11.7	
DRO >C10-C28*	<10.0	10.0	12/05/2021	ND	219	109	200	0.594	
EXT DRO >C28-C36	<10.0	10.0	12/05/2021	ND					

Surrogate: 1-Chlorooctane 107 % 44.3-133

Surrogate: 1-Chlorooctadecane 109 % 38.9-142

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Analytical Results For:

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

Received: 12/02/2021
 Reported: 12/06/2021
 Project Name: TWIN LAKES SA UNIT #19
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/29/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 22 @ 2' (H213455-23)

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	12/04/2021	ND	2.02	101	2.00	2.94		
Toluene*	<0.050	0.050	12/04/2021	ND	1.91	95.5	2.00	9.34		
Ethylbenzene*	<0.050	0.050	12/04/2021	ND	1.88	94.2	2.00	11.1		
Total Xylenes*	<0.150	0.150	12/04/2021	ND	5.86	97.7	6.00	8.88		
Total BTEX	<0.300	0.300	12/04/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	704	16.0	12/04/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2021	ND	228	114	200	11.7	
DRO >C10-C28*	<10.0	10.0	12/05/2021	ND	219	109	200	0.594	
EXT DRO >C28-C36	<10.0	10.0	12/05/2021	ND					

Surrogate: 1-Chlorooctane 111 % 44.3-133

Surrogate: 1-Chlorooctadecane 110 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/02/2021	Sampling Date:	11/29/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 22 @ 3' (H213455-24)

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	12/04/2021	ND	2.02	101	2.00	2.94	
Toluene*	<0.050	0.050	12/04/2021	ND	1.91	95.5	2.00	9.34	
Ethylbenzene*	<0.050	0.050	12/04/2021	ND	1.88	94.2	2.00	11.1	
Total Xylenes*	<0.150	0.150	12/04/2021	ND	5.86	97.7	6.00	8.88	
Total BTEx	<0.300	0.300	12/04/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	12/04/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2021	ND	228	114	200	11.7	
DRO >C10-C28*	<10.0	10.0	12/05/2021	ND	219	109	200	0.594	
EXT DRO >C28-C36	<10.0	10.0	12/05/2021	ND					

Surrogate: 1-Chlorooctane 113 % 44.3-133

Surrogate: 1-Chlorooctadecane 113 % 38.9-142

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Analytical Results For:

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

Received:	12/02/2021	Sampling Date:	11/30/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 23 @ SURFACE (H213455-25)

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	12/04/2021	ND	2.02	101	2.00	2.94		
Toluene*	<0.050	0.050	12/04/2021	ND	1.91	95.5	2.00	9.34		
Ethylbenzene*	<0.050	0.050	12/04/2021	ND	1.88	94.2	2.00	11.1		
Total Xylenes*	<0.150	0.150	12/04/2021	ND	5.86	97.7	6.00	8.88		
Total BTEx	<0.300	0.300	12/04/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	12/04/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2021	ND	228	114	200	11.7	
DRO >C10-C28*	<10.0	10.0	12/05/2021	ND	219	109	200	0.594	
EXT DRO >C28-C36	<10.0	10.0	12/05/2021	ND					

Surrogate: 1-Chlorooctane 112 % 44.3-133

Surrogate: 1-Chlorooctadecane 112 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/02/2021
 Reported: 12/06/2021
 Project Name: TWIN LAKES SA UNIT #19
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/30/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 23 @ 1' (H213455-26)

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2021	ND	2.02	101	2.00	2.94	
Toluene*	<0.050	0.050	12/04/2021	ND	1.91	95.5	2.00	9.34	
Ethylbenzene*	<0.050	0.050	12/04/2021	ND	1.88	94.2	2.00	11.1	
Total Xylenes*	<0.150	0.150	12/04/2021	ND	5.86	97.7	6.00	8.88	
Total BTX	<0.300	0.300	12/04/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1400	16.0	12/04/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2021	ND	218	109	200	1.28	
DRO >C10-C28*	<10.0	10.0	12/04/2021	ND	209	104	200	0.646	
EXT DRO >C28-C36	<10.0	10.0	12/04/2021	ND					

Surrogate: 1-Chlorooctane 97.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 93.0 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/02/2021
 Reported: 12/06/2021
 Project Name: TWIN LAKES SA UNIT #19
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/30/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 23 @ 2' (H213455-27)

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	12/04/2021	ND	2.02	101	2.00	2.94		
Toluene*	<0.050	0.050	12/04/2021	ND	1.91	95.5	2.00	9.34		
Ethylbenzene*	<0.050	0.050	12/04/2021	ND	1.88	94.2	2.00	11.1		
Total Xylenes*	<0.150	0.150	12/04/2021	ND	5.86	97.7	6.00	8.88		
Total BTEx	<0.300	0.300	12/04/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	12/04/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2021	ND	218	109	200	1.28	
DRO >C10-C28*	<10.0	10.0	12/04/2021	ND	209	104	200	0.646	
EXT DRO >C28-C36	<10.0	10.0	12/04/2021	ND					

Surrogate: 1-Chlorooctane 94.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 89.8 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/02/2021
 Reported: 12/06/2021
 Project Name: TWIN LAKES SA UNIT #19
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/30/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 23 @ 3' (H213455-28)

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	12/04/2021	ND	2.02	101	2.00	2.94		
Toluene*	<0.050	0.050	12/04/2021	ND	1.91	95.5	2.00	9.34		
Ethylbenzene*	<0.050	0.050	12/04/2021	ND	1.88	94.2	2.00	11.1		
Total Xylenes*	<0.150	0.150	12/04/2021	ND	5.86	97.7	6.00	8.88		
Total BTEx	<0.300	0.300	12/04/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	12/04/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2021	ND	218	109	200	1.28	
DRO >C10-C28*	<10.0	10.0	12/04/2021	ND	209	104	200	0.646	
EXT DRO >C28-C36	<10.0	10.0	12/04/2021	ND					

Surrogate: 1-Chlorooctane 94.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 92.3 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/02/2021	Sampling Date:	11/30/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 24 @ SURFACE (H213455-29)

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	12/04/2021	ND	2.02	101	2.00	2.94		
Toluene*	<0.050	0.050	12/04/2021	ND	1.91	95.5	2.00	9.34		
Ethylbenzene*	<0.050	0.050	12/04/2021	ND	1.88	94.2	2.00	11.1		
Total Xylenes*	<0.150	0.150	12/04/2021	ND	5.86	97.7	6.00	8.88		
Total BTEx	<0.300	0.300	12/04/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/04/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2021	ND	218	109	200	1.28	
DRO >C10-C28*	<10.0	10.0	12/04/2021	ND	209	104	200	0.646	
EXT DRO >C28-C36	<10.0	10.0	12/04/2021	ND					

Surrogate: 1-Chlorooctane 90.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 86.4 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/02/2021
 Reported: 12/06/2021
 Project Name: TWIN LAKES SA UNIT #19
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/30/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 24 @ 1' (H213455-30)

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	12/04/2021	ND	2.02	101	2.00	2.94	
Toluene*	<0.050	0.050	12/04/2021	ND	1.91	95.5	2.00	9.34	
Ethylbenzene*	<0.050	0.050	12/04/2021	ND	1.88	94.2	2.00	11.1	
Total Xylenes*	<0.150	0.150	12/04/2021	ND	5.86	97.7	6.00	8.88	
Total BTEx	<0.300	0.300	12/04/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/04/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2021	ND	218	109	200	1.28	
DRO >C10-C28*	<10.0	10.0	12/04/2021	ND	209	104	200	0.646	
EXT DRO >C28-C36	<10.0	10.0	12/04/2021	ND					

Surrogate: 1-Chlorooctane 88.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 84.3 % 38.9-142

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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: 12/02/2021
 Reported: 12/06/2021
 Project Name: TWIN LAKES SA UNIT #19
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/30/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 24 @ 2' (H213455-31)

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	12/04/2021	ND	2.02	101	2.00	2.94		
Toluene*	<0.050	0.050	12/04/2021	ND	1.91	95.5	2.00	9.34		
Ethylbenzene*	<0.050	0.050	12/04/2021	ND	1.88	94.2	2.00	11.1		
Total Xylenes*	<0.150	0.150	12/04/2021	ND	5.86	97.7	6.00	8.88		
Total BTX	<0.300	0.300	12/04/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/04/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2021	ND	218	109	200	1.28	
DRO >C10-C28*	<10.0	10.0	12/04/2021	ND	209	104	200	0.646	
EXT DRO >C28-C36	<10.0	10.0	12/04/2021	ND					

Surrogate: 1-Chlorooctane 82.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 77.9 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/02/2021	Sampling Date:	11/30/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 25 @ SURFACE (H213455-32)

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	12/04/2021	ND	2.02	101	2.00	2.94		
Toluene*	<0.050	0.050	12/04/2021	ND	1.91	95.5	2.00	9.34		
Ethylbenzene*	<0.050	0.050	12/04/2021	ND	1.88	94.2	2.00	11.1		
Total Xylenes*	<0.150	0.150	12/04/2021	ND	5.86	97.7	6.00	8.88		
Total BTEx	<0.300	0.300	12/04/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/04/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2021	ND	218	109	200	1.28	
DRO >C10-C28*	<10.0	10.0	12/04/2021	ND	209	104	200	0.646	
EXT DRO >C28-C36	<10.0	10.0	12/04/2021	ND					

Surrogate: 1-Chlorooctane 93.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 88.7 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/02/2021
 Reported: 12/06/2021
 Project Name: TWIN LAKES SA UNIT #19
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/30/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 25 @ 1' (H213455-33)

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	12/04/2021	ND	2.02	101	2.00	2.94		
Toluene*	<0.050	0.050	12/04/2021	ND	1.91	95.5	2.00	9.34		
Ethylbenzene*	<0.050	0.050	12/04/2021	ND	1.88	94.2	2.00	11.1		
Total Xylenes*	<0.150	0.150	12/04/2021	ND	5.86	97.7	6.00	8.88		
Total BTEX	<0.300	0.300	12/04/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/04/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2021	ND	218	109	200	1.28	
DRO >C10-C28*	<10.0	10.0	12/04/2021	ND	209	104	200	0.646	
EXT DRO >C28-C36	<10.0	10.0	12/04/2021	ND					

Surrogate: 1-Chlorooctane 92.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 88.6 % 38.9-142

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Analytical Results For:

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

Received:	12/02/2021	Sampling Date:	11/30/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 25 @ 2' (H213455-34)

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	12/04/2021	ND	2.02	101	2.00	2.94	
Toluene*	<0.050	0.050	12/04/2021	ND	1.91	95.5	2.00	9.34	
Ethylbenzene*	<0.050	0.050	12/04/2021	ND	1.88	94.2	2.00	11.1	
Total Xylenes*	<0.150	0.150	12/04/2021	ND	5.86	97.7	6.00	8.88	
Total BTEx	<0.300	0.300	12/04/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/04/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2021	ND	218	109	200	1.28	
DRO >C10-C28*	<10.0	10.0	12/04/2021	ND	209	104	200	0.646	
EXT DRO >C28-C36	<10.0	10.0	12/04/2021	ND					

Surrogate: 1-Chlorooctane 101 % 44.3-133

Surrogate: 1-Chlorooctadecane 97.0 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/02/2021	Sampling Date:	11/30/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 26 @ SURFACE (H213455-35)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/04/2021	ND	2.02	101	2.00	2.94		
Toluene*	<0.050	0.050	12/04/2021	ND	1.91	95.5	2.00	9.34		
Ethylbenzene*	<0.050	0.050	12/04/2021	ND	1.88	94.2	2.00	11.1		
Total Xylenes*	<0.150	0.150	12/04/2021	ND	5.86	97.7	6.00	8.88		
Total BTX	<0.300	0.300	12/04/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	12/04/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2021	ND	218	109	200	1.28	
DRO >C10-C28*	<10.0	10.0	12/04/2021	ND	209	104	200	0.646	
EXT DRO >C28-C36	<10.0	10.0	12/04/2021	ND					

Surrogate: 1-Chlorooctane 91.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 85.8 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/02/2021
 Reported: 12/06/2021
 Project Name: TWIN LAKES SA UNIT #19
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/30/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 26 @ 1' (H213455-36)

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	12/04/2021	ND	2.02	101	2.00	2.94	
Toluene*	<0.050	0.050	12/04/2021	ND	1.91	95.5	2.00	9.34	
Ethylbenzene*	<0.050	0.050	12/04/2021	ND	1.88	94.2	2.00	11.1	
Total Xylenes*	<0.150	0.150	12/04/2021	ND	5.86	97.7	6.00	8.88	
Total BTEx	<0.300	0.300	12/04/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/04/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2021	ND	218	109	200	1.28	
DRO >C10-C28*	<10.0	10.0	12/04/2021	ND	209	104	200	0.646	
EXT DRO >C28-C36	<10.0	10.0	12/04/2021	ND					

Surrogate: 1-Chlorooctane 95.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 91.4 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/02/2021
 Reported: 12/06/2021
 Project Name: TWIN LAKES SA UNIT #19
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/30/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 26 @ 2' (H213455-37)

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	12/04/2021	ND	2.02	101	2.00	2.94	
Toluene*	<0.050	0.050	12/04/2021	ND	1.91	95.5	2.00	9.34	
Ethylbenzene*	<0.050	0.050	12/04/2021	ND	1.88	94.2	2.00	11.1	
Total Xylenes*	<0.150	0.150	12/04/2021	ND	5.86	97.7	6.00	8.88	
Total BTEx	<0.300	0.300	12/04/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	12/04/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2021	ND	218	109	200	1.28	
DRO >C10-C28*	<10.0	10.0	12/04/2021	ND	209	104	200	0.646	
EXT DRO >C28-C36	<10.0	10.0	12/04/2021	ND					

Surrogate: 1-Chlorooctane 91.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 87.0 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/02/2021	Sampling Date:	11/30/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 27 @ SURFACE (H213455-38)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/04/2021	ND	2.02	101	2.00	2.94		
Toluene*	<0.050	0.050	12/04/2021	ND	1.91	95.5	2.00	9.34		
Ethylbenzene*	<0.050	0.050	12/04/2021	ND	1.88	94.2	2.00	11.1		
Total Xylenes*	<0.150	0.150	12/04/2021	ND	5.86	97.7	6.00	8.88		
Total BTX	<0.300	0.300	12/04/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/04/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2021	ND	218	109	200	1.28	
DRO >C10-C28*	14.8	10.0	12/04/2021	ND	209	104	200	0.646	
EXT DRO >C28-C36	<10.0	10.0	12/04/2021	ND					

Surrogate: 1-Chlorooctane 84.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 79.5 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/02/2021	Sampling Date:	11/30/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 27 @ 1' (H213455-39)

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	12/04/2021	ND	2.11	105	2.00	0.603	
Toluene*	<0.050	0.050	12/04/2021	ND	2.06	103	2.00	0.585	
Ethylbenzene*	<0.050	0.050	12/04/2021	ND	2.02	101	2.00	0.118	
Total Xylenes*	<0.150	0.150	12/04/2021	ND	6.12	102	6.00	0.00774	
Total BTEX	<0.300	0.300	12/04/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	12/04/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2021	ND	218	109	200	1.28	
DRO >C10-C28*	<10.0	10.0	12/04/2021	ND	209	104	200	0.646	
EXT DRO >C28-C36	<10.0	10.0	12/04/2021	ND					

Surrogate: 1-Chlorooctane 97.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 92.7 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/02/2021
 Reported: 12/06/2021
 Project Name: TWIN LAKES SA UNIT #19
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/30/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 27 @ 2' (H213455-40)

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	12/04/2021	ND	2.11	105	2.00	0.603	
Toluene*	<0.050	0.050	12/04/2021	ND	2.06	103	2.00	0.585	
Ethylbenzene*	<0.050	0.050	12/04/2021	ND	2.02	101	2.00	0.118	
Total Xylenes*	<0.150	0.150	12/04/2021	ND	6.12	102	6.00	0.00774	
Total BTEx	<0.300	0.300	12/04/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	12/04/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2021	ND	200	100	200	4.64	
DRO >C10-C28*	<10.0	10.0	12/04/2021	ND	214	107	200	3.73	
EXT DRO >C28-C36	<10.0	10.0	12/04/2021	ND					

Surrogate: 1-Chlorooctane 111 % 44.3-133

Surrogate: 1-Chlorooctadecane 112 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/02/2021	Sampling Date:	11/30/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 28 @ SURFACE (H213455-41)

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	12/04/2021	ND	2.11	105	2.00	0.603		
Toluene*	<0.050	0.050	12/04/2021	ND	2.06	103	2.00	0.585		
Ethylbenzene*	<0.050	0.050	12/04/2021	ND	2.02	101	2.00	0.118		
Total Xylenes*	<0.150	0.150	12/04/2021	ND	6.12	102	6.00	0.00774		
Total BTEX	<0.300	0.300	12/04/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	12/04/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2021	ND	200	100	200	4.64	
DRO >C10-C28*	<10.0	10.0	12/04/2021	ND	214	107	200	3.73	
EXT DRO >C28-C36	<10.0	10.0	12/04/2021	ND					

Surrogate: 1-Chlorooctane 98.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 97.6 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/02/2021
 Reported: 12/06/2021
 Project Name: TWIN LAKES SA UNIT #19
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/30/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 28 @ 1' (H213455-42)

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	12/04/2021	ND	2.11	105	2.00	0.603	
Toluene*	<0.050	0.050	12/04/2021	ND	2.06	103	2.00	0.585	
Ethylbenzene*	<0.050	0.050	12/04/2021	ND	2.02	101	2.00	0.118	
Total Xylenes*	<0.150	0.150	12/04/2021	ND	6.12	102	6.00	0.00774	
Total BTEX	<0.300	0.300	12/04/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1200	16.0	12/04/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2021	ND	200	100	200	4.64	
DRO >C10-C28*	<10.0	10.0	12/04/2021	ND	214	107	200	3.73	
EXT DRO >C28-C36	<10.0	10.0	12/04/2021	ND					

Surrogate: 1-Chlorooctane 105 % 44.3-133

Surrogate: 1-Chlorooctadecane 106 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/02/2021	Sampling Date:	11/30/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 28 @ 2' (H213455-43)

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	12/04/2021	ND	2.11	105	2.00	0.603	
Toluene*	<0.050	0.050	12/04/2021	ND	2.06	103	2.00	0.585	
Ethylbenzene*	<0.050	0.050	12/04/2021	ND	2.02	101	2.00	0.118	
Total Xylenes*	<0.150	0.150	12/04/2021	ND	6.12	102	6.00	0.00774	
Total BTEX	<0.300	0.300	12/04/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	12/04/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2021	ND	200	100	200	4.64	
DRO >C10-C28*	<10.0	10.0	12/04/2021	ND	214	107	200	3.73	
EXT DRO >C28-C36	<10.0	10.0	12/04/2021	ND					

Surrogate: 1-Chlorooctane 94.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 94.0 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/02/2021	Sampling Date:	11/30/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 28 @ 3' (H213455-44)

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	12/04/2021	ND	2.11	105	2.00	0.603		
Toluene*	<0.050	0.050	12/04/2021	ND	2.06	103	2.00	0.585		
Ethylbenzene*	<0.050	0.050	12/04/2021	ND	2.02	101	2.00	0.118		
Total Xylenes*	<0.150	0.150	12/04/2021	ND	6.12	102	6.00	0.00774		
Total BTEX	<0.300	0.300	12/04/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	12/04/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2021	ND	200	100	200	4.64	
DRO >C10-C28*	<10.0	10.0	12/04/2021	ND	214	107	200	3.73	
EXT DRO >C28-C36	<10.0	10.0	12/04/2021	ND					

Surrogate: 1-Chlorooctane 89.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 89.6 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



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. #:				<div style="display: flex; flex-direction: column; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">CL</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH ET</div> </div>																					
Address: P.O. Box 805				Company: <i>Oxy</i>																									
City: Hobbs State: NM Zip: 88241				Attn:																									
Phone #: 575-397-6388 Fax #: 575-397-0397				Address:																									
Project #: Project Owner: Oxy				City:																									
Project Name: TWIN LAKES SA UNIT #19				State: Zip:																									
Project Location: NEW MEXICO				Phone #:																									
Sampler Name: SIMON				Fax #:																									
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																					
Lab I.D.	Sample I.D.	GRAB OR (COMP. # CONTAINERS)	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME																
<i>H213455</i>																													
1	SP 17 @ 3'											11/29/21	10:17AM	✓	✓	✓													
2	SP 18 @ SURFACE											11/29/21	10:30AM	✓	✓	✓													
3	SP 18 @ 1'											11/29/21	10:45AM	✓	✓	✓													
4	SP 18 @ 2'											11/29/21	10:54AM	✓	✓	✓													
5	SP 18 @ 3'											11/29/21	11:07AM	✓	✓	✓													
6	SP 19 @ SURFACE											11/29/21	11:18AM	✓	✓	✓													
7	SP 19 @ 1'											11/29/21	11:28AM	✓	✓	✓													
8	SP 19 @ 2'											11/29/21	11:43AM	✓	✓	✓													
9	SP 19 @ 3'											11/29/21	11:58AM	✓	✓	✓													
10	SP 19 @ 4'											11/29/21	12:09PM	✓	✓	✓													

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Relinquished By:	Date: <i>12-1-21</i>	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
<i>[Signature]</i>	Time: <i>5:00</i>	<i>Jennifer Gellkey</i>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date: <i>12-2-21</i>	Received By:	REMARKS:	
<i>Jennifer Gellkey</i>	Time: <i>11:33</i>	<i>Jamara Oldaker</i>		
Delivered By: (Circle One)	-2.4°C	Sample Condition	CHECKED BY: (Initials)	
	C-0.5°C	Cool Intact	<i>Y.O.</i>	
Sampler - UPS - Bus - Other:	-2.9°C #113	<input type="checkbox"/> Yes <input type="checkbox"/> No		

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• ARDINAL LABORATORIES


101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(505) 393-2326 FAX (505) 393-2476										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										Address:																					
Phone #: 575-397-6388 Fax #: 575-397-0397										City:																					
Project #: Project Owner: Oxy										State: Zip:																					
Project Name: TWIN LAKES SA UNIT #19										Phone #:																					
Project Location: NEW MEXICO										Fax #:																					
Sampler Name: SIMON																															
FOR LAB USE ONLY																															
Lab I.D.		Sample I.D.								GRAB OR (C)OMP.		# CONTAINERS		MATRIX				PRESERV.		SAMPLING											
														GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:				ACID/BASE: ICE / COOL OTHER:		DATE TIME											
H213455										G		1								11/29/21 12:46PM		✓ ✓ ✓									
11		SP 20 @ SURFACE																		11/29/21 1:07PM		✓ ✓ ✓									
12		SP 20 @ 1'																		11/29/21 1:18PM		✓ ✓ ✓									
13		SP 20 @ 2'																		11/29/21 1:29PM		✓ ✓ ✓									
14		SP 20 @ 3'																		11/29/21 1:43PM		✓ ✓ ✓									
15		SP 20 @ 4'																		11/29/21 1:56PM		✓ ✓ ✓									
16		SP 21 @ SURFACE																		11/29/21 2:07PM		✓ ✓ ✓									
17		SP 21 @ 1'																		11/29/21 2:16PM		✓ ✓ ✓									
18		SP 21 @ 2'																		11/29/21 2:25PM		✓ ✓ ✓									
19		SP 21 @ 3'																		11/29/21 2:39PM		✓ ✓ ✓									
20		SP 21 @ 4'																													

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Relinquished By: 		Date: 12-1-21 Time: 3:00	Received By: Jennifer Bielke	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: Add'l Fax #: REMARKS:
Relinquished By: Jennifer Bielke		Date: 12-2-21 Time: 11:30	Received By: Tamara Oldaker	
Delivered By: (Circle One) -2.4°C C-0.5°C		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: (Initials) TO.
Sampler - UPS - Bus - Other: -2.9°C #13				

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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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 State: NM Zip: 88241										Attn:																													
Phone #: 575-397-6388 Fax #: 575-397-0397										Address:																													
Project #: Project Owner: Oxy										City:																													
Project Name: TWIN LAKES SA UNIT #19										State: Zip:																													
Project Location: NEW MEXICO										Phone #:																													
Sampler Name: SIMON										Fax #:																													
FOR LAB USE ONLY										MATRIX										PRESERV.										SAMPLING									
Lab I.D.										Sample I.D.										DATE										TIME									
H213455										SP 28 @ SURFACE										11/30/21										12:10PM									
41										SP 28 @ 1'										11/30/21										12:22PM									
42										SP 28 @ 2'										11/30/21										12:34PM									
43										SP 28 @ 3'										11/30/21										12:47PM									
44																																							

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service. In no event shall Cardinal be liable for incidental or consequential damages including without limitation, business interruptions, loss of data, or loss of profits, or any other damages, whether direct or indirect, arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: 	Date: 12-1-21 Time: 5:00	Received By: 	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By: 	Date: 12-2-21 Time: 11:33	Received By: 	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) -2.4°C -0.5°C	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) T.O.	REMARKS:	
Sampler - UPS - Bus - Other: -2.9°C #113				

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

December 06, 2021

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: TWIN LAKES SA UNIT #19

Enclosed are the results of analyses for samples received by the laboratory on 12/01/21 16:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/01/2021	Sampling Date:	11/22/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: NORTH @ SURFACE (H213446-01)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/03/2021	ND	1.93	96.3	2.00	5.89		
Toluene*	<0.050	0.050	12/03/2021	ND	1.98	99.0	2.00	5.26		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	1.97	98.3	2.00	4.13		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	5.99	99.8	6.00	4.40		
Total BTEX	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/03/2021	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	12/03/2021	ND	223	112	200	3.87	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	236	118	200	0.132	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 107 % 44.3-133

Surrogate: 1-Chlorooctadecane 114 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/01/2021	Sampling Date:	11/22/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: EAST @ SURFACE (H213446-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/03/2021	ND	1.93	96.3	2.00	5.89		
Toluene*	<0.050	0.050	12/03/2021	ND	1.98	99.0	2.00	5.26		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	1.97	98.3	2.00	4.13		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	5.99	99.8	6.00	4.40		
Total BTEx	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/03/2021	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	12/03/2021	ND	223	112	200	3.87	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	236	118	200	0.132	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 128 % 44.3-133

Surrogate: 1-Chlorooctadecane 134 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/01/2021	Sampling Date:	11/22/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: WEST @ SURFACE (H213446-03)

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	12/02/2021	ND	2.04	102	2.00	6.57		
Toluene*	<0.050	0.050	12/02/2021	ND	1.99	99.4	2.00	5.51		
Ethylbenzene*	<0.050	0.050	12/02/2021	ND	1.98	99.0	2.00	6.31		
Total Xylenes*	<0.150	0.150	12/02/2021	ND	6.06	101	6.00	6.94		
Total BTEx	<0.300	0.300	12/02/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/03/2021	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	12/03/2021	ND	223	112	200	3.87	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	236	118	200	0.132	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 106 % 44.3-133

Surrogate: 1-Chlorooctadecane 112 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/01/2021	Sampling Date:	11/22/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SOUTH @ SURFACE (H213446-04)

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	12/02/2021	ND	2.04	102	2.00	6.57		
Toluene*	<0.050	0.050	12/02/2021	ND	1.99	99.4	2.00	5.51		
Ethylbenzene*	<0.050	0.050	12/02/2021	ND	1.98	99.0	2.00	6.31		
Total Xylenes*	<0.150	0.150	12/02/2021	ND	6.06	101	6.00	6.94		
Total BTEX	<0.300	0.300	12/02/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/03/2021	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	12/03/2021	ND	218	109	200	5.27		
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	222	111	200	4.34		
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND						

Surrogate: 1-Chlorooctane 102 % 44.3-133

Surrogate: 1-Chlorooctadecane 102 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/01/2021	Sampling Date:	11/22/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 1 @ SURFACE (H213446-05)

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	12/02/2021	ND	2.04	102	2.00	6.57		
Toluene*	<0.050	0.050	12/02/2021	ND	1.99	99.4	2.00	5.51		
Ethylbenzene*	<0.050	0.050	12/02/2021	ND	1.98	99.0	2.00	6.31		
Total Xylenes*	<0.150	0.150	12/02/2021	ND	6.06	101	6.00	6.94		
Total BTEx	<0.300	0.300	12/02/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	976	16.0	12/03/2021	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	12/03/2021	ND	218	109	200	5.27	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	222	111	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 93.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 92.4 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/01/2021	Sampling Date:	11/22/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 1 @ 1' (H213446-06)

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	12/02/2021	ND	2.04	102	2.00	6.57		
Toluene*	<0.050	0.050	12/02/2021	ND	1.99	99.4	2.00	5.51		
Ethylbenzene*	<0.050	0.050	12/02/2021	ND	1.98	99.0	2.00	6.31		
Total Xylenes*	<0.150	0.150	12/02/2021	ND	6.06	101	6.00	6.94		
Total BTX	<0.300	0.300	12/02/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	12/03/2021	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	12/03/2021	ND	218	109	200	5.27	
DRO >C10-C28*	11.5	10.0	12/03/2021	ND	222	111	200	4.34	
EXT DRO >C28-C36	15.1	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 92.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 91.3 % 38.9-142

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Analytical Results For:

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

Received:	12/01/2021	Sampling Date:	11/22/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 1 @ 2' (H213446-07)

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	12/02/2021	ND	2.04	102	2.00	6.57		
Toluene*	<0.050	0.050	12/02/2021	ND	1.99	99.4	2.00	5.51		
Ethylbenzene*	<0.050	0.050	12/02/2021	ND	1.98	99.0	2.00	6.31		
Total Xylenes*	<0.150	0.150	12/02/2021	ND	6.06	101	6.00	6.94		
Total BTEx	<0.300	0.300	12/02/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/03/2021	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	12/03/2021	ND	218	109	200	5.27	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	222	111	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 93.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 95.1 % 38.9-142

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Analytical Results For:

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

Received:	12/01/2021	Sampling Date:	11/22/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 2 @ SURFACE (H213446-08)

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	12/02/2021	ND	2.04	102	2.00	6.57		
Toluene*	<0.050	0.050	12/02/2021	ND	1.99	99.4	2.00	5.51		
Ethylbenzene*	<0.050	0.050	12/02/2021	ND	1.98	99.0	2.00	6.31		
Total Xylenes*	<0.150	0.150	12/02/2021	ND	6.06	101	6.00	6.94		
Total BTEX	<0.300	0.300	12/02/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1920	16.0	12/03/2021	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	12/03/2021	ND	218	109	200	5.27		
DRO >C10-C28*	33.4	10.0	12/03/2021	ND	222	111	200	4.34		
EXT DRO >C28-C36	18.8	10.0	12/03/2021	ND						

Surrogate: 1-Chlorooctane 97.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 101 % 38.9-142

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Analytical Results For:

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

Received:	12/01/2021	Sampling Date:	11/22/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 2 @ 1' (H213446-09)

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	12/02/2021	ND	2.04	102	2.00	6.57		
Toluene*	<0.050	0.050	12/02/2021	ND	1.99	99.4	2.00	5.51		
Ethylbenzene*	<0.050	0.050	12/02/2021	ND	1.98	99.0	2.00	6.31		
Total Xylenes*	<0.150	0.150	12/02/2021	ND	6.06	101	6.00	6.94		
Total BTEx	<0.300	0.300	12/02/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	720	16.0	12/03/2021	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	12/03/2021	ND	218	109	200	5.27	
DRO >C10-C28*	108	10.0	12/03/2021	ND	222	111	200	4.34	
EXT DRO >C28-C36	115	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 120 % 44.3-133

Surrogate: 1-Chlorooctadecane 128 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	12/01/2021	Sampling Date:	11/22/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 2 @ 2' (H213446-10)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/02/2021	ND	2.04	102	2.00	6.57		
Toluene*	<0.050	0.050	12/02/2021	ND	1.99	99.4	2.00	5.51		
Ethylbenzene*	<0.050	0.050	12/02/2021	ND	1.98	99.0	2.00	6.31		
Total Xylenes*	<0.150	0.150	12/02/2021	ND	6.06	101	6.00	6.94		
Total BTX	<0.300	0.300	12/02/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	12/03/2021	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	12/03/2021	ND	218	109	200	5.27	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	222	111	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 95.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 98.4 % 38.9-142

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Analytical Results For:

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

Received:	12/01/2021	Sampling Date:	11/22/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 2 @ 3' (H213446-11)

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	12/02/2021	ND	2.04	102	2.00	6.57		
Toluene*	<0.050	0.050	12/02/2021	ND	1.99	99.4	2.00	5.51		
Ethylbenzene*	<0.050	0.050	12/02/2021	ND	1.98	99.0	2.00	6.31		
Total Xylenes*	<0.150	0.150	12/02/2021	ND	6.06	101	6.00	6.94		
Total BTEx	<0.300	0.300	12/02/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/03/2021	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	12/03/2021	ND	218	109	200	5.27	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	222	111	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 109 % 44.3-133

Surrogate: 1-Chlorooctadecane 112 % 38.9-142

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Analytical Results For:

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

Received:	12/01/2021	Sampling Date:	11/22/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 3 @ SURFACE (H213446-12)

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	12/02/2021	ND	2.04	102	2.00	6.57		
Toluene*	<0.050	0.050	12/02/2021	ND	1.99	99.4	2.00	5.51		
Ethylbenzene*	<0.050	0.050	12/02/2021	ND	1.98	99.0	2.00	6.31		
Total Xylenes*	<0.150	0.150	12/02/2021	ND	6.06	101	6.00	6.94		
Total BTEx	<0.300	0.300	12/02/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/03/2021	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	12/03/2021	ND	218	109	200	5.27	
DRO >C10-C28*	165	10.0	12/03/2021	ND	222	111	200	4.34	
EXT DRO >C28-C36	268	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 116 % 44.3-133

Surrogate: 1-Chlorooctadecane 125 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	12/01/2021	Sampling Date:	11/22/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 3 @ 1' (H213446-13)

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	12/02/2021	ND	2.04	102	2.00	6.57	
Toluene*	<0.050	0.050	12/02/2021	ND	1.99	99.4	2.00	5.51	
Ethylbenzene*	<0.050	0.050	12/02/2021	ND	1.98	99.0	2.00	6.31	
Total Xylenes*	<0.150	0.150	12/02/2021	ND	6.06	101	6.00	6.94	
Total BTEx	<0.300	0.300	12/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	912	16.0	12/03/2021	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	12/03/2021	ND	218	109	200	5.27	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	222	111	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 100 % 44.3-133

Surrogate: 1-Chlorooctadecane 102 % 38.9-142

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Analytical Results For:

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

Received:	12/01/2021	Sampling Date:	11/22/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 3 @ 2' (H213446-14)

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	12/02/2021	ND	2.04	102	2.00	6.57		
Toluene*	<0.050	0.050	12/02/2021	ND	1.99	99.4	2.00	5.51		
Ethylbenzene*	<0.050	0.050	12/02/2021	ND	1.98	99.0	2.00	6.31		
Total Xylenes*	<0.150	0.150	12/02/2021	ND	6.06	101	6.00	6.94		
Total BTEx	<0.300	0.300	12/02/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	12/03/2021	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	12/03/2021	ND	218	109	200	5.27	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	222	111	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 112 % 44.3-133

Surrogate: 1-Chlorooctadecane 115 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/01/2021
 Reported: 12/06/2021
 Project Name: TWIN LAKES SA UNIT #19
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/22/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 3 @ 3' (H213446-15)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/02/2021	ND	2.04	102	2.00	6.57		
Toluene*	<0.050	0.050	12/02/2021	ND	1.99	99.4	2.00	5.51		
Ethylbenzene*	<0.050	0.050	12/02/2021	ND	1.98	99.0	2.00	6.31		
Total Xylenes*	<0.150	0.150	12/02/2021	ND	6.06	101	6.00	6.94		
Total BTX	<0.300	0.300	12/02/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/03/2021	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	12/03/2021	ND	218	109	200	5.27	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	222	111	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 114 % 44.3-133

Surrogate: 1-Chlorooctadecane 117 % 38.9-142

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Analytical Results For:

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

Received: 12/01/2021
 Reported: 12/06/2021
 Project Name: TWIN LAKES SA UNIT #19
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/22/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 4 @ SURFACE (H213446-16)

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	12/02/2021	ND	2.04	102	2.00	6.57		
Toluene*	<0.050	0.050	12/02/2021	ND	1.99	99.4	2.00	5.51		
Ethylbenzene*	<0.050	0.050	12/02/2021	ND	1.98	99.0	2.00	6.31		
Total Xylenes*	<0.150	0.150	12/02/2021	ND	6.06	101	6.00	6.94		
Total BTEX	<0.300	0.300	12/02/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	12/03/2021	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	12/03/2021	ND	218	109	200	5.27	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	222	111	200	4.34	
EXT DRO >C28-C36	10.1	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 95.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 99.3 % 38.9-142

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Analytical Results For:

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

Received:	12/01/2021	Sampling Date:	11/22/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 4 @ 1' (H213446-17)

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	12/02/2021	ND	2.04	102	2.00	6.57		
Toluene*	<0.050	0.050	12/02/2021	ND	1.99	99.4	2.00	5.51		
Ethylbenzene*	<0.050	0.050	12/02/2021	ND	1.98	99.0	2.00	6.31		
Total Xylenes*	<0.150	0.150	12/02/2021	ND	6.06	101	6.00	6.94		
Total BTEx	<0.300	0.300	12/02/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	640	16.0	12/03/2021	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	12/03/2021	ND	218	109	200	5.27	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	222	111	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 117 % 44.3-133

Surrogate: 1-Chlorooctadecane 117 % 38.9-142

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Analytical Results For:

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

Received:	12/01/2021	Sampling Date:	11/22/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 4 @ 2' (H213446-18)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/02/2021	ND	2.04	102	2.00	6.57		
Toluene*	<0.050	0.050	12/02/2021	ND	1.99	99.4	2.00	5.51		
Ethylbenzene*	<0.050	0.050	12/02/2021	ND	1.98	99.0	2.00	6.31		
Total Xylenes*	<0.150	0.150	12/02/2021	ND	6.06	101	6.00	6.94		
Total BTX	<0.300	0.300	12/02/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	12/03/2021	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	12/03/2021	ND	218	109	200	5.27	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	222	111	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 103 % 44.3-133

Surrogate: 1-Chlorooctadecane 104 % 38.9-142

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Analytical Results For:

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

Received:	12/01/2021	Sampling Date:	11/22/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 4 @ 3' (H213446-19)

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	12/02/2021	ND	2.04	102	2.00	6.57		
Toluene*	<0.050	0.050	12/02/2021	ND	1.99	99.4	2.00	5.51		
Ethylbenzene*	<0.050	0.050	12/02/2021	ND	1.98	99.0	2.00	6.31		
Total Xylenes*	<0.150	0.150	12/02/2021	ND	6.06	101	6.00	6.94		
Total BTX	<0.300	0.300	12/02/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	12/03/2021	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	12/03/2021	ND	218	109	200	5.27	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	222	111	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 111 % 44.3-133

Surrogate: 1-Chlorooctadecane 113 % 38.9-142

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Analytical Results For:

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

Received:	12/01/2021	Sampling Date:	11/22/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 5 @ SURFACE (H213446-20)

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	12/02/2021	ND	2.04	102	2.00	6.57		
Toluene*	<0.050	0.050	12/02/2021	ND	1.99	99.4	2.00	5.51		
Ethylbenzene*	<0.050	0.050	12/02/2021	ND	1.98	99.0	2.00	6.31		
Total Xylenes*	<0.150	0.150	12/02/2021	ND	6.06	101	6.00	6.94		
Total BTEx	<0.300	0.300	12/02/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	12/03/2021	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	12/03/2021	ND	218	109	200	5.27	
DRO >C10-C28*	11.5	10.0	12/03/2021	ND	222	111	200	4.34	
EXT DRO >C28-C36	15.7	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 114 % 44.3-133

Surrogate: 1-Chlorooctadecane 115 % 38.9-142

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Analytical Results For:

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

Received:	12/01/2021	Sampling Date:	11/22/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 5 @ 1' (H213446-21)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/02/2021	ND	2.04	102	2.00	6.57		
Toluene*	<0.050	0.050	12/02/2021	ND	1.99	99.4	2.00	5.51		
Ethylbenzene*	<0.050	0.050	12/02/2021	ND	1.98	99.0	2.00	6.31		
Total Xylenes*	<0.150	0.150	12/02/2021	ND	6.06	101	6.00	6.94		
Total BTX	<0.300	0.300	12/02/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1220	16.0	12/03/2021	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	12/03/2021	ND	218	109	200	5.27	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	222	111	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 108 % 44.3-133

Surrogate: 1-Chlorooctadecane 109 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/01/2021	Sampling Date:	11/22/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 5 @ 2' (H213446-22)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/02/2021	ND	2.04	102	2.00	6.57		
Toluene*	<0.050	0.050	12/02/2021	ND	1.99	99.4	2.00	5.51		
Ethylbenzene*	<0.050	0.050	12/02/2021	ND	1.98	99.0	2.00	6.31		
Total Xylenes*	<0.150	0.150	12/02/2021	ND	6.06	101	6.00	6.94		
Total BTX	<0.300	0.300	12/02/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	12/03/2021	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	12/03/2021	ND	218	109	200	5.27	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	222	111	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 105 % 44.3-133

Surrogate: 1-Chlorooctadecane 106 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/01/2021	Sampling Date:	11/22/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 5 @ 3' (H213446-23)

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	12/03/2021	ND	1.99	99.7	2.00	3.60		
Toluene*	<0.050	0.050	12/03/2021	ND	1.95	97.3	2.00	3.26		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	1.93	96.4	2.00	3.42		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	5.84	97.4	6.00	2.98		
Total BTEx	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/03/2021	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	12/03/2021	ND	218	109	200	5.27	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	222	111	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 102 % 44.3-133

Surrogate: 1-Chlorooctadecane 104 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/01/2021	Sampling Date:	11/22/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 6 @ SURFACE (H213446-24)

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	12/03/2021	ND	1.99	99.7	2.00	3.60		
Toluene*	<0.050	0.050	12/03/2021	ND	1.95	97.3	2.00	3.26		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	1.93	96.4	2.00	3.42		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	5.84	97.4	6.00	2.98		
Total BTEX	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	12/03/2021	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	12/06/2021	ND	221	110	200	7.12	
DRO >C10-C28*	364	10.0	12/06/2021	ND	221	111	200	1.58	
EXT DRO >C28-C36	436	10.0	12/06/2021	ND					

Surrogate: 1-Chlorooctane 65.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 73.1 % 38.9-142

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Analytical Results For:

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

Received:	12/01/2021	Sampling Date:	11/22/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 6 @ 1' (H213446-25)

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	12/03/2021	ND	1.99	99.7	2.00	3.60		
Toluene*	<0.050	0.050	12/03/2021	ND	1.95	97.3	2.00	3.26		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	1.93	96.4	2.00	3.42		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	5.84	97.4	6.00	2.98		
Total BTEx	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	736	16.0	12/03/2021	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	12/03/2021	ND	221	110	200	7.12	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	221	111	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 115 % 44.3-133

Surrogate: 1-Chlorooctadecane 127 % 38.9-142

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Analytical Results For:

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

Received:	12/01/2021	Sampling Date:	11/22/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 6 @ 2' (H213446-26)

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	12/03/2021	ND	1.99	99.7	2.00	3.60		
Toluene*	<0.050	0.050	12/03/2021	ND	1.95	97.3	2.00	3.26		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	1.93	96.4	2.00	3.42		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	5.84	97.4	6.00	2.98		
Total BTEx	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	12/03/2021	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	12/03/2021	ND	221	110	200	7.12	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	221	111	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 99.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 108 % 38.9-142

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Analytical Results For:

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

Received:	12/01/2021	Sampling Date:	11/22/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 6 @ 3' (H213446-27)

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	12/03/2021	ND	1.99	99.7	2.00	3.60		
Toluene*	<0.050	0.050	12/03/2021	ND	1.95	97.3	2.00	3.26		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	1.93	96.4	2.00	3.42		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	5.84	97.4	6.00	2.98		
Total BTEX	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	12/03/2021	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	12/03/2021	ND	221	110	200	7.12	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	221	111	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 110 % 44.3-133

Surrogate: 1-Chlorooctadecane 127 % 38.9-142

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Analytical Results For:

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

Received:	12/01/2021	Sampling Date:	11/23/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 7 @ SURFACE (H213446-28)

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	12/03/2021	ND	1.99	99.7	2.00	3.60		
Toluene*	<0.050	0.050	12/03/2021	ND	1.95	97.3	2.00	3.26		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	1.93	96.4	2.00	3.42		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	5.84	97.4	6.00	2.98		
Total BTEx	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	12/03/2021	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	12/06/2021	ND	221	110	200	7.12	
DRO >C10-C28*	59.0	10.0	12/06/2021	ND	221	111	200	1.58	
EXT DRO >C28-C36	106	10.0	12/06/2021	ND					

Surrogate: 1-Chlorooctane 88.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 89.9 % 38.9-142

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Analytical Results For:

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

Received:	12/01/2021	Sampling Date:	11/23/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 7 @ 1' (H213446-29)

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	12/03/2021	ND	1.99	99.7	2.00	3.60		
Toluene*	<0.050	0.050	12/03/2021	ND	1.95	97.3	2.00	3.26		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	1.93	96.4	2.00	3.42		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	5.84	97.4	6.00	2.98		
Total BTEx	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	12/03/2021	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	12/03/2021	ND	221	110	200	7.12	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	221	111	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 101 % 44.3-133

Surrogate: 1-Chlorooctadecane 117 % 38.9-142

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Analytical Results For:

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

Received:	12/01/2021	Sampling Date:	11/23/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 7 @ 2' (H213446-30)

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	12/03/2021	ND	1.99	99.7	2.00	3.60		
Toluene*	<0.050	0.050	12/03/2021	ND	1.95	97.3	2.00	3.26		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	1.93	96.4	2.00	3.42		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	5.84	97.4	6.00	2.98		
Total BTX	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	12/03/2021	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	12/03/2021	ND	221	110	200	7.12	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	221	111	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 94.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 110 % 38.9-142

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Analytical Results For:

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

Received:	12/01/2021	Sampling Date:	11/23/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 8 @ SURFACE (H213446-31)

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	12/03/2021	ND	1.99	99.7	2.00	3.60		
Toluene*	<0.050	0.050	12/03/2021	ND	1.95	97.3	2.00	3.26		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	1.93	96.4	2.00	3.42		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	5.84	97.4	6.00	2.98		
Total BTEX	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	12/03/2021	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	12/06/2021	ND	221	110	200	7.12	
DRO >C10-C28*	123	10.0	12/06/2021	ND	221	111	200	1.58	
EXT DRO >C28-C36	168	10.0	12/06/2021	ND					

Surrogate: 1-Chlorooctane 94.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 98.4 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/01/2021	Sampling Date:	11/23/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 8 @ 1' (H213446-32)

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	12/03/2021	ND	1.99	99.7	2.00	3.60		
Toluene*	<0.050	0.050	12/03/2021	ND	1.95	97.3	2.00	3.26		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	1.93	96.4	2.00	3.42		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	5.84	97.4	6.00	2.98		
Total BTEx	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1870	16.0	12/03/2021	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	12/03/2021	ND	221	110	200	7.12	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	221	111	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 100 % 44.3-133

Surrogate: 1-Chlorooctadecane 110 % 38.9-142

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Analytical Results For:

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

Received: 12/01/2021
 Reported: 12/06/2021
 Project Name: TWIN LAKES SA UNIT #19
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/23/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 8 @ 2' (H213446-33)

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	12/03/2021	ND	1.99	99.7	2.00	3.60		
Toluene*	<0.050	0.050	12/03/2021	ND	1.95	97.3	2.00	3.26		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	1.93	96.4	2.00	3.42		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	5.84	97.4	6.00	2.98		
Total BTEX	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	12/03/2021	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/03/2021	ND	221	110	200	7.12	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	221	111	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 105 % 44.3-133

Surrogate: 1-Chlorooctadecane 112 % 38.9-142

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Analytical Results For:

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

Received:	12/01/2021	Sampling Date:	11/23/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 8 @ 3' (H213446-34)

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	12/03/2021	ND	1.99	99.7	2.00	3.60		
Toluene*	<0.050	0.050	12/03/2021	ND	1.95	97.3	2.00	3.26		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	1.93	96.4	2.00	3.42		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	5.84	97.4	6.00	2.98		
Total BTEx	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	12/03/2021	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/03/2021	ND	221	110	200	7.12	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	221	111	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 103 % 44.3-133

Surrogate: 1-Chlorooctadecane 112 % 38.9-142

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Analytical Results For:

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

Received:	12/01/2021	Sampling Date:	11/23/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 9 @ SURFACE (H213446-35)

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	12/03/2021	ND	1.99	99.7	2.00	3.60		
Toluene*	<0.050	0.050	12/03/2021	ND	1.95	97.3	2.00	3.26		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	1.93	96.4	2.00	3.42		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	5.84	97.4	6.00	2.98		
Total BTEx	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7440	16.0	12/03/2021	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/03/2021	ND	221	110	200	7.12	
DRO >C10-C28*	81.7	10.0	12/03/2021	ND	221	111	200	1.58	
EXT DRO >C28-C36	154	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 100 % 44.3-133

Surrogate: 1-Chlorooctadecane 107 % 38.9-142

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Analytical Results For:

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

Received:	12/01/2021	Sampling Date:	11/23/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 9 @ 1' (H213446-36)

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	12/03/2021	ND	1.99	99.7	2.00	3.60		
Toluene*	<0.050	0.050	12/03/2021	ND	1.95	97.3	2.00	3.26		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	1.93	96.4	2.00	3.42		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	5.84	97.4	6.00	2.98		
Total BTEx	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3240	16.0	12/03/2021	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/03/2021	ND	221	110	200	7.12	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	221	111	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 106 % 44.3-133

Surrogate: 1-Chlorooctadecane 110 % 38.9-142

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Analytical Results For:

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

Received: 12/01/2021
 Reported: 12/06/2021
 Project Name: TWIN LAKES SA UNIT #19
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/23/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 9 @ 2' (H213446-37)

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	12/03/2021	ND	1.99	99.7	2.00	3.60		
Toluene*	<0.050	0.050	12/03/2021	ND	1.95	97.3	2.00	3.26		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	1.93	96.4	2.00	3.42		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	5.84	97.4	6.00	2.98		
Total BTEx	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2400	16.0	12/03/2021	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/03/2021	ND	189	94.3	200	8.41	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	202	101	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 103 % 44.3-133

Surrogate: 1-Chlorooctadecane 99.2 % 38.9-142

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Analytical Results For:

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

Received:	12/01/2021	Sampling Date:	11/23/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 9 @ 3' (H213446-38)

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	12/03/2021	ND	1.99	99.7	2.00	3.60		
Toluene*	<0.050	0.050	12/03/2021	ND	1.95	97.3	2.00	3.26		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	1.93	96.4	2.00	3.42		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	5.84	97.4	6.00	2.98		
Total BTEX	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	688	16.0	12/03/2021	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/03/2021	ND	189	94.3	200	8.41	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	202	101	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 96.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 94.8 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/01/2021	Sampling Date:	11/23/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 9 @ 4' (H213446-39)

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	12/03/2021	ND	1.99	99.7	2.00	3.60		
Toluene*	<0.050	0.050	12/03/2021	ND	1.95	97.3	2.00	3.26		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	1.93	96.4	2.00	3.42		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	5.84	97.4	6.00	2.98		
Total BTEx	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/03/2021	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/03/2021	ND	189	94.3	200	8.41	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	202	101	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 100 % 44.3-133

Surrogate: 1-Chlorooctadecane 98.7 % 38.9-142

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Analytical Results For:

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

Received:	12/01/2021	Sampling Date:	11/23/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 10 @ SURFACE (H213446-40)

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	12/03/2021	ND	1.99	99.7	2.00	3.60		
Toluene*	<0.050	0.050	12/03/2021	ND	1.95	97.3	2.00	3.26		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	1.93	96.4	2.00	3.42		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	5.84	97.4	6.00	2.98		
Total BTEx	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	12/03/2021	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/03/2021	ND	189	94.3	200	8.41	
DRO >C10-C28*	59.7	10.0	12/03/2021	ND	202	101	200	6.05	
EXT DRO >C28-C36	64.6	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 86.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 87.2 % 38.9-142

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Analytical Results For:

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

Received:	12/01/2021	Sampling Date:	11/23/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 10 @ 1' (H213446-41)

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	12/03/2021	ND	1.99	99.7	2.00	3.60		
Toluene*	<0.050	0.050	12/03/2021	ND	1.95	97.3	2.00	3.26		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	1.93	96.4	2.00	3.42		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	5.84	97.4	6.00	2.98		
Total BTEx	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1120	16.0	12/03/2021	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/03/2021	ND	189	94.3	200	8.41	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	202	101	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 100 % 44.3-133

Surrogate: 1-Chlorooctadecane 100 % 38.9-142

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Analytical Results For:

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

Received:	12/01/2021	Sampling Date:	11/23/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 10 @ 2' (H213446-42)

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	12/03/2021	ND	1.99	99.7	2.00	3.60		
Toluene*	<0.050	0.050	12/03/2021	ND	1.95	97.3	2.00	3.26		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	1.93	96.4	2.00	3.42		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	5.84	97.4	6.00	2.98		
Total BTEX	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	12/03/2021	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/03/2021	ND	189	94.3	200	8.41	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	202	101	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 95.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 92.8 % 38.9-142

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Analytical Results For:

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

Received:	12/01/2021	Sampling Date:	11/23/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 10 @ 3' (H213446-43)

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	12/03/2021	ND	1.83	91.4	2.00	7.49		
Toluene*	<0.050	0.050	12/03/2021	ND	1.84	91.8	2.00	9.31		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	1.83	91.6	2.00	9.07		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	5.65	94.2	6.00	8.62		
Total BTEX	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/03/2021	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/03/2021	ND	189	94.3	200	8.41	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	202	101	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 96.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 96.6 % 38.9-142

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Analytical Results For:

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

Received:	12/01/2021	Sampling Date:	11/23/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 11 @ SURFACE (H213446-44)

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	12/03/2021	ND	1.83	91.4	2.00	7.49		
Toluene*	<0.050	0.050	12/03/2021	ND	1.84	91.8	2.00	9.31		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	1.83	91.6	2.00	9.07		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	5.65	94.2	6.00	8.62		
Total BTEx	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	12/03/2021	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/03/2021	ND	189	94.3	200	8.41	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	202	101	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 92.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 92.9 % 38.9-142

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Analytical Results For:

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

Received:	12/01/2021	Sampling Date:	11/23/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 11 @ 1' (H213446-45)

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	12/03/2021	ND	1.83	91.4	2.00	7.49		
Toluene*	<0.050	0.050	12/03/2021	ND	1.84	91.8	2.00	9.31		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	1.83	91.6	2.00	9.07		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	5.65	94.2	6.00	8.62		
Total BTEx	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1070	16.0	12/03/2021	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/03/2021	ND	189	94.3	200	8.41	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	202	101	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 89.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 86.0 % 38.9-142

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Analytical Results For:

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

Received: 12/01/2021
 Reported: 12/06/2021
 Project Name: TWIN LAKES SA UNIT #19
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/23/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 11 @ 2' (H213446-46)

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	12/03/2021	ND	1.83	91.4	2.00	7.49		
Toluene*	<0.050	0.050	12/03/2021	ND	1.84	91.8	2.00	9.31		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	1.83	91.6	2.00	9.07		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	5.65	94.2	6.00	8.62		
Total BTEx	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	12/03/2021	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/03/2021	ND	189	94.3	200	8.41	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	202	101	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 94.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 91.0 % 38.9-142

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Analytical Results For:

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Received:	12/01/2021	Sampling Date:	11/23/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 11 @ 3' (H213446-47)

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	12/03/2021	ND	1.83	91.4	2.00	7.49		
Toluene*	<0.050	0.050	12/03/2021	ND	1.84	91.8	2.00	9.31		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	1.83	91.6	2.00	9.07		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	5.65	94.2	6.00	8.62		
Total BTEx	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	12/03/2021	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/03/2021	ND	189	94.3	200	8.41	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	202	101	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 94.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 90.7 % 38.9-142

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Analytical Results For:

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

Received:	12/01/2021	Sampling Date:	11/23/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 12 @ SURFACE (H213446-48)

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	12/03/2021	ND	1.83	91.4	2.00	7.49		
Toluene*	<0.050	0.050	12/03/2021	ND	1.84	91.8	2.00	9.31		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	1.83	91.6	2.00	9.07		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	5.65	94.2	6.00	8.62		
Total BTEx	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	13100	16.0	12/03/2021	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/03/2021	ND	189	94.3	200	8.41	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	202	101	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 102 % 44.3-133

Surrogate: 1-Chlorooctadecane 101 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/01/2021	Sampling Date:	11/23/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 12 @ 1' (H213446-49)

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	12/03/2021	ND	1.83	91.4	2.00	7.49		
Toluene*	<0.050	0.050	12/03/2021	ND	1.84	91.8	2.00	9.31		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	1.83	91.6	2.00	9.07		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	5.65	94.2	6.00	8.62		
Total BTX	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1120	16.0	12/03/2021	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/03/2021	ND	189	94.3	200	8.41	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	202	101	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 97.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 95.1 % 38.9-142

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Analytical Results For:

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

Received:	12/01/2021	Sampling Date:	11/23/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 12 @ 2' (H213446-50)

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	12/03/2021	ND	1.83	91.4	2.00	7.49		
Toluene*	<0.050	0.050	12/03/2021	ND	1.84	91.8	2.00	9.31		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	1.83	91.6	2.00	9.07		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	5.65	94.2	6.00	8.62		
Total BTEX	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	12/03/2021	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/03/2021	ND	189	94.3	200	8.41	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	202	101	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 87.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 88.2 % 38.9-142

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Analytical Results For:

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

Received: 12/01/2021
 Reported: 12/06/2021
 Project Name: TWIN LAKES SA UNIT #19
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/23/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 12 @ 3' (H213446-51)

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	12/03/2021	ND	1.83	91.4	2.00	7.49		
Toluene*	<0.050	0.050	12/03/2021	ND	1.84	91.8	2.00	9.31		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	1.83	91.6	2.00	9.07		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	5.65	94.2	6.00	8.62		
Total BTEx	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	12/03/2021	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/03/2021	ND	189	94.3	200	8.41	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	202	101	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 98.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 96.7 % 38.9-142

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Analytical Results For:

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

Received: 12/01/2021
 Reported: 12/06/2021
 Project Name: TWIN LAKES SA UNIT #19
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/23/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 13 @ SURFACE (H213446-52)

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	12/03/2021	ND	1.83	91.4	2.00	7.49		
Toluene*	<0.050	0.050	12/03/2021	ND	1.84	91.8	2.00	9.31		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	1.83	91.6	2.00	9.07		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	5.65	94.2	6.00	8.62		
Total BTEx	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12000	16.0	12/03/2021	ND	448	112	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/03/2021	ND	189	94.3	200	8.41	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	202	101	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 101 % 44.3-133

Surrogate: 1-Chlorooctadecane 99.6 % 38.9-142

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Analytical Results For:

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

Received:	12/01/2021	Sampling Date:	11/23/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 13 @ 1' (H213446-53)

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	12/03/2021	ND	1.83	91.4	2.00	7.49		
Toluene*	<0.050	0.050	12/03/2021	ND	1.84	91.8	2.00	9.31		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	1.83	91.6	2.00	9.07		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	5.65	94.2	6.00	8.62		
Total BTEx	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	896	16.0	12/03/2021	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	12/03/2021	ND	189	94.3	200	8.41	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	202	101	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 95.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 94.1 % 38.9-142

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Analytical Results For:

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

Received:	12/01/2021	Sampling Date:	11/23/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 13 @ 2' (H213446-54)

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	12/03/2021	ND	1.83	91.4	2.00	7.49		
Toluene*	<0.050	0.050	12/03/2021	ND	1.84	91.8	2.00	9.31		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	1.83	91.6	2.00	9.07		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	5.65	94.2	6.00	8.62		
Total BTEx	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	12/03/2021	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	12/03/2021	ND	189	94.3	200	8.41	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	202	101	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 100 % 44.3-133

Surrogate: 1-Chlorooctadecane 101 % 38.9-142

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Analytical Results For:

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

Received:	12/01/2021	Sampling Date:	11/23/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 13 @ 3' (H213446-55)

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	12/03/2021	ND	1.83	91.4	2.00	7.49		
Toluene*	<0.050	0.050	12/03/2021	ND	1.84	91.8	2.00	9.31		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	1.83	91.6	2.00	9.07		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	5.65	94.2	6.00	8.62		
Total BTEx	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	12/03/2021	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	12/03/2021	ND	189	94.3	200	8.41	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	202	101	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 105 % 44.3-133

Surrogate: 1-Chlorooctadecane 103 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/01/2021	Sampling Date:	11/24/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 14 @ SURFACE (H213446-56)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/03/2021	ND	1.83	91.4	2.00	7.49		
Toluene*	<0.050	0.050	12/03/2021	ND	1.84	91.8	2.00	9.31		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	1.83	91.6	2.00	9.07		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	5.65	94.2	6.00	8.62		
Total BTEx	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2480	16.0	12/03/2021	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	12/03/2021	ND	189	94.3	200	8.41	
DRO >C10-C28*	209	10.0	12/03/2021	ND	202	101	200	6.05	
EXT DRO >C28-C36	263	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 107 % 44.3-133

Surrogate: 1-Chlorooctadecane 110 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/01/2021	Sampling Date:	11/24/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 14 @ 1' (H213446-57)

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	12/03/2021	ND	1.83	91.4	2.00	7.49		
Toluene*	<0.050	0.050	12/03/2021	ND	1.84	91.8	2.00	9.31		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	1.83	91.6	2.00	9.07		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	5.65	94.2	6.00	8.62		
Total BTEx	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1060	16.0	12/03/2021	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	12/03/2021	ND	215	108	200	3.66	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	206	103	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 108 % 44.3-133

Surrogate: 1-Chlorooctadecane 104 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/01/2021
 Reported: 12/06/2021
 Project Name: TWIN LAKES SA UNIT #19
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/24/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 14 @ 2' (H213446-58)

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	12/03/2021	ND	1.83	91.4	2.00	7.49		
Toluene*	<0.050	0.050	12/03/2021	ND	1.84	91.8	2.00	9.31		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	1.83	91.6	2.00	9.07		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	5.65	94.2	6.00	8.62		
Total BTEX	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	12/03/2021	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	12/03/2021	ND	215	108	200	3.66	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	206	103	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 92.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 89.2 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/01/2021
 Reported: 12/06/2021
 Project Name: TWIN LAKES SA UNIT #19
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/24/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 14 @ 3' (H213446-59)

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	12/03/2021	ND	1.83	91.4	2.00	7.49		
Toluene*	<0.050	0.050	12/03/2021	ND	1.84	91.8	2.00	9.31		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	1.83	91.6	2.00	9.07		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	5.65	94.2	6.00	8.62		
Total BTEx	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	12/03/2021	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	12/03/2021	ND	215	108	200	3.66	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	206	103	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 95.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 88.5 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/01/2021	Sampling Date:	11/24/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 15 @ SURFACE (H213446-60)

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	12/03/2021	ND	1.83	91.4	2.00	7.49		
Toluene*	<0.050	0.050	12/03/2021	ND	1.84	91.8	2.00	9.31		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	1.83	91.6	2.00	9.07		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	5.65	94.2	6.00	8.62		
Total BTEX	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7330	16.0	12/03/2021	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	12/03/2021	ND	215	108	200	3.66	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	206	103	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 95.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 91.5 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/01/2021	Sampling Date:	11/24/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 15 @ 1' (H213446-61)

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	12/03/2021	ND	1.83	91.4	2.00	7.49		
Toluene*	<0.050	0.050	12/03/2021	ND	1.84	91.8	2.00	9.31		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	1.83	91.6	2.00	9.07		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	5.65	94.2	6.00	8.62		
Total BTEx	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1920	16.0	12/03/2021	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	12/03/2021	ND	215	108	200	3.66	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	206	103	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 102 % 44.3-133

Surrogate: 1-Chlorooctadecane 96.8 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/01/2021
 Reported: 12/06/2021
 Project Name: TWIN LAKES SA UNIT #19
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/24/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 15 @ 2' (H213446-62)

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	12/03/2021	ND	1.83	91.4	2.00	7.49		
Toluene*	<0.050	0.050	12/03/2021	ND	1.84	91.8	2.00	9.31		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	1.83	91.6	2.00	9.07		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	5.65	94.2	6.00	8.62		
Total BTX	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	12/03/2021	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	12/03/2021	ND	215	108	200	3.66	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	206	103	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 80.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 76.5 % 38.9-142

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Analytical Results For:

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

Received: 12/01/2021
 Reported: 12/06/2021
 Project Name: TWIN LAKES SA UNIT #19
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/24/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 15 @ 3' (H213446-63)

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	12/03/2021	ND	1.77	88.6	2.00	10.9		
Toluene*	<0.050	0.050	12/03/2021	ND	1.89	94.7	2.00	8.03		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	1.91	95.6	2.00	7.01		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	5.81	96.9	6.00	7.91		
Total BTEX	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/03/2021	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	12/03/2021	ND	215	108	200	3.66	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	206	103	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 80.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 74.1 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/01/2021	Sampling Date:	11/24/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 16 @ SURFACE (H213446-64)

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	12/03/2021	ND	1.77	88.6	2.00	10.9		
Toluene*	<0.050	0.050	12/03/2021	ND	1.89	94.7	2.00	8.03		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	1.91	95.6	2.00	7.01		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	5.81	96.9	6.00	7.91		
Total BTEx	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2920	16.0	12/03/2021	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	12/03/2021	ND	215	108	200	3.66	
DRO >C10-C28*	116	10.0	12/03/2021	ND	206	103	200	3.39	
EXT DRO >C28-C36	101	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 87.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 89.5 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/01/2021	Sampling Date:	11/24/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 16 @ 1' (H213446-65)

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	12/03/2021	ND	1.77	88.6	2.00	10.9		
Toluene*	<0.050	0.050	12/03/2021	ND	1.89	94.7	2.00	8.03		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	1.91	95.6	2.00	7.01		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	5.81	96.9	6.00	7.91		
Total BTEX	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1490	16.0	12/03/2021	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	12/03/2021	ND	215	108	200	3.66	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	206	103	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 84.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 79.9 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/01/2021
 Reported: 12/06/2021
 Project Name: TWIN LAKES SA UNIT #19
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/24/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 16 @ 2' (H213446-66)

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	12/03/2021	ND	1.77	88.6	2.00	10.9		
Toluene*	<0.050	0.050	12/03/2021	ND	1.89	94.7	2.00	8.03		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	1.91	95.6	2.00	7.01		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	5.81	96.9	6.00	7.91		
Total BTEX	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	12/03/2021	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	12/03/2021	ND	215	108	200	3.66	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	206	103	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 82.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 76.6 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/01/2021
 Reported: 12/06/2021
 Project Name: TWIN LAKES SA UNIT #19
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/24/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 16 @ 3' (H213446-67)

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	12/03/2021	ND	1.77	88.6	2.00	10.9	
Toluene*	<0.050	0.050	12/03/2021	ND	1.89	94.7	2.00	8.03	
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	1.91	95.6	2.00	7.01	
Total Xylenes*	<0.150	0.150	12/03/2021	ND	5.81	96.9	6.00	7.91	
Total BTEX	<0.300	0.300	12/03/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/03/2021	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	12/03/2021	ND	215	108	200	3.66	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	206	103	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 86.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 81.4 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/01/2021	Sampling Date:	11/29/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 17 @ SURFACE (H213446-68)

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	12/03/2021	ND	1.77	88.6	2.00	10.9		
Toluene*	<0.050	0.050	12/03/2021	ND	1.89	94.7	2.00	8.03		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	1.91	95.6	2.00	7.01		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	5.81	96.9	6.00	7.91		
Total BTEX	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1360	16.0	12/03/2021	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	12/03/2021	ND	215	108	200	3.66	
DRO >C10-C28*	199	10.0	12/03/2021	ND	206	103	200	3.39	
EXT DRO >C28-C36	198	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 107 % 44.3-133

Surrogate: 1-Chlorooctadecane 112 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/01/2021
 Reported: 12/06/2021
 Project Name: TWIN LAKES SA UNIT #19
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/29/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 17 @ 1' (H213446-69)

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	12/03/2021	ND	1.77	88.6	2.00	10.9		
Toluene*	<0.050	0.050	12/03/2021	ND	1.89	94.7	2.00	8.03		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	1.91	95.6	2.00	7.01		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	5.81	96.9	6.00	7.91		
Total BTEX	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1330	16.0	12/03/2021	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	12/03/2021	ND	215	108	200	3.66	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	206	103	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 73.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 68.5 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/01/2021	Sampling Date:	11/29/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SP 17 @ 2' (H213446-70)

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	12/03/2021	ND	2.09	105	2.00	2.07		
Toluene*	<0.050	0.050	12/03/2021	ND	2.03	102	2.00	1.09		
Ethylbenzene*	<0.050	0.050	12/03/2021	ND	2.02	101	2.00	0.863		
Total Xylenes*	<0.150	0.150	12/03/2021	ND	6.25	104	6.00	0.226		
Total BTEx	<0.300	0.300	12/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	640	16.0	12/03/2021	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	12/03/2021	ND	215	108	200	3.66	
DRO >C10-C28*	<10.0	10.0	12/03/2021	ND	206	103	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	12/03/2021	ND					

Surrogate: 1-Chlorooctane 81.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 75.1 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

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

[illegible]

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Relinquished By: <i>Samon Rana</i>		Date: <i>12-1-21</i>	Received By: <i>Israel Kena</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Time: <i>8:00 AM</i>				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By: <i>Israel Kena</i>		Date: <i>12-1-21</i>	Received By: <i>Samara D. D. K.</i>	REMARKS:	
Time: <i>4:30 PM</i>					
Delivered By: (Circle One) <i>-0.5E / C-0.5E</i>		Sample Condition	CHECKED BY:		
Sampler - UPS - Bus - Other: <i>-1.0E #13</i>		Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	(Initials) <i>J.D.</i>		
		Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>			

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc. Project Manager: Cliff Brunson Address: P.O. Box 805 City: Hobbs State: NM Zip: 88241 Phone #: 575-397-6388 Fax #: 575-397-0397 Project #: Project Owner: Oxy Project Name: TWIN LAKES SA UNIT #19 Project Location: NEW MEXICO Sampler Name: SIMON				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.		MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		PRESERV. ACID/BASE: ICE / COOL OTHER:		SAMPLING DATE TIME		CL BTEX TPH EXT									
H213446		SP 2 @ 3'						11/22/21 11:45AM		✓ ✓ ✓									
11		SP 3 @ SURFACE						11/22/21 11:56AM		✓ ✓ ✓									
12		SP 3 @ 1'						11/22/21 12:08PM		✓ ✓ ✓									
13		SP 3 @ 2'						11/22/21 12:51PM		✓ ✓ ✓									
14		SP 3 @ 3'						11/22/21 1:03PM		✓ ✓ ✓									
15		SP 4 @ SURFACE						11/22/21 1:14PM		✓ ✓ ✓									
16		SP 4 @ 1'						11/22/21 1:24PM		✓ ✓ ✓									
17		SP 4 @ 2'						11/22/21 1:37PM		✓ ✓ ✓									
18		SP 4 @ 3'						11/22/21 1:50PM		✓ ✓ ✓									
19		SP 5 @ SURFACE						11/22/21 2:04PM		✓ ✓ ✓									
20																			

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Relinquished By: Simon Roney Date: 12-1-21 Time: 8:00 AM		Received By: Israel Pena Date: 12-1-21 Time: 1:52 PM		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:	
Relinquished By: Israel Pena Date: 12-1-21 Time: 1:52 PM		Received By: Juana Aldape Date: 12-1-21 Time: 1:52 PM			
Delivered By: (Circle One) -0.5" C-0.5"		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: (Initials) T.O.	
Sampler - UPS - Bus - Other: -1.0" #113					

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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: <i>Oxy</i>																			
City: Hobbs		State: NM		Zip: 88241		Attn:																	
Phone #: 575-397-6388		Fax #: 575-397-0397		Address:		City:																	
Project #:		Project Owner: Oxy		State:		Zip:																	
Project Name: TWIN LAKES SA UNIT #19		Phone #:		Fax #:																			
Project Location: NEW MEXICO																							
Sampler Name: SIMON																							
FOR LAB USE ONLY																							
Lab I.D.		Sample I.D.		G/RAB OR (COMP. # CONTAINERS)		MATRIX		PRESERV.		SAMPLING													
						GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER :		ACID/BASE: ICE / COOL OTHER :		DATE		TIME											
<i>4213446</i>																							
<i>21</i>		SP 5 @ 1'								11/22/21		2:14PM		✓ ✓ ✓									
<i>22</i>		SP 5 @ 2'								11/22/21		2:25PM		✓ ✓ ✓									
<i>23</i>		SP 5 @ 3'								11/22/21		2:33PM		✓ ✓ ✓									
<i>24</i>		SP 6 @ SURFACE								11/22/21		2:40PM		✓ ✓ ✓									
<i>25</i>		SP 6 @ 1'								11/22/21		2:52PM		✓ ✓ ✓									
<i>26</i>		SP 6 @ 2'								11/22/21		3:04PM		✓ ✓ ✓									
<i>27</i>		SP 6 @ 3'								11/22/21		3:16PM		✓ ✓ ✓									
<i>28</i>		SP 7 @ SURFACE								11/23/21		10:05AM		✓ ✓ ✓									
<i>29</i>		SP 7 @ 1'								11/23/21		10:12AM		✓ ✓ ✓									
<i>30</i>		SP 7 @ 2'								11/23/21		10:22AM		✓ ✓ ✓									

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Relinquished By: <i>Simon Regal</i>		Date: <i>12-1-21</i>		Received By: <i>Israel Kona</i>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
Time: <i>6:00 AM</i>		Time: <i>12-1-21</i>		Time: <i>4:13 PM</i>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	
Relinquished By: <i>Israel Kona</i>		Date: <i>12-1-21</i>		Received By: <i>Samara Saldana</i>		REMARKS:			
Time: <i>4:13 PM</i>		Time: <i>4:13 PM</i>		Time: <i>4:13 PM</i>					
Delivered By: (Circle One) <i>-0.5i</i> <i>C-0.5i</i>				Sample Condition		CHECKED BY:			
Sampler - UPS - Bus - Other: <i>-1.0i #13</i>				Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		(Initials) <i>TO</i>			

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**• 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. #: Oxy																																			
Address: P.O. Box 805				Company: Oxy																																			
City: Hobbs		State: NM Zip: 88241		Attn:																																			
Phone #: 575-397-6388		Fax #: 575-397-0397		Address:																																			
Project #:		Project Owner: Oxy		City:																																			
Project Name: TWIN LAKES SA UNIT #19				State: Zip:																																			
Project Location: NEW MEXICO				Phone #:																																			
Sampler Name: SIMON				Fax #:																																			
FOR LAB USE ONLY																																							
Lab I.D. H213446	Sample I.D.	# CONTAINERS	(S)RAB OR (C)OMP.	MATRIX						PRESERV.		SAMPLING																											
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME																									
31	SP 8 @ SURFACE													✓	✓	✓																							
32	SP 8 @ 1'													✓	✓	✓																							
33	SP 8 @ 2'													✓	✓	✓																							
34	SP 8 @ 3'													✓	✓	✓																							
35	SP 9 @ SURFACE													✓	✓	✓																							
36	SP 9 @ 1'													✓	✓	✓																							
37	SP 9 @ 2'													✓	✓	✓																							
38	SP 9 @ 3'													✓	✓	✓																							
39	SP 9 @ 4'													✓	✓	✓																							
40	SP 10 @ SURFACE													✓	✓	✓																							
<small>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</small>																																							
Relinquished By:										Date: 12-1-21 Time: 10:00 AM										Received By:										Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone #: Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Fax #: REMARKS:									
Relinquished By:										Date: 12-1-21 Time: 4:30 PM										Received By:																			
Delivered By: (Circle One) -0.5c C-0.5c										Sampler - UPS - Bus - Other: -1.0c #13										Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No										CHECKED BY: (Initials) YO.									

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CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 77 of 79

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: TWIN LAKES SA UNIT #19 Project Location: NEW MEXICO Sampler Name: SIMON				BILL TO P.O. #: Company: Attn: Address: City: State: Zip: Phone #: Fax #:		ANALYSIS REQUEST													
FOR LAB USE ONLY				MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		PRESERV. ACID/BASE: ICE / COOL OTHER:		SAMPLING DATE TIME		[Grid for Analysis Request]									
Lab I.D. H213446		Sample I.D.		G/RAB OR (C)OMP. # CONTAINERS		DATE TIME		DATE TIME		[Grid for Analysis Request]									
41		SP 10 @ 1'				11/23/21		12:05PM		[Grid for Analysis Request]									
42		SP 10 @ 2'				11/23/21		12:44PM		[Grid for Analysis Request]									
43		SP 10 @ 3'				11/23/21		12:53PM		[Grid for Analysis Request]									
44		SP 11 @ SURFACE				11/23/21		1:03PM		[Grid for Analysis Request]									
45		SP 11 @ 1'				11/23/21		1:14PM		[Grid for Analysis Request]									
46		SP 11 @ 2'				11/23/21		1:22PM		[Grid for Analysis Request]									
47		SP 11 @ 3'				11/23/21		1:30PM		[Grid for Analysis Request]									
48		SP 12 @ SURFACE				11/23/21		1:41PM		[Grid for Analysis Request]									
49		SP 12 @ 1'				11/23/21		1:52PM		[Grid for Analysis Request]									
50		SP 12 @ 2'				11/23/21		1:59PM		[Grid for Analysis Request]									

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Relinquished By: [Signature]		Date: 12-1-21 Time: 8:00 AM		Received By: [Signature]		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No REMARKS:	
Relinquished By: [Signature]		Date: 12-1-21 Time: 10:30 AM		Received By: [Signature]		Add'l Phone #: Add'l Fax #:	
Delivered By: (Circle One) -0.5' C-0.5'				Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other: -1.0' #113				[Signature]			

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CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.				BILL TO				ANALYSIS REQUEST																		
Project Manager: Cliff Brunson				P.O. #:																						
Address: P.O. Box 805				Company:																						
City: Hobbs State: NM Zip: 88241				Attn:																						
Phone #: 575-397-6388 Fax #: 575-397-0397				Address:																						
Project #: Project Owner: Oxy				City:																						
Project Name: TWIN LAKES SA UNIT #19				State: Zip:																						
Project Location: NEW MEXICO				Phone #:																						
Sampler Name: SIMON				Fax #:																						
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING																
Lab I.D.	Sample I.D.	# GRAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME												
H213446																										
51	SP 12 @ 3'												11/23/21	2:08PM	✓	✓	✓									
52	SP 13 @ SURFACE												11/23/21	2:16PM	✓	✓	✓									
53	SP 13 @ 1'												11/23/21	2:25PM	✓	✓	✓									
54	SP 13 @ 2'												11/23/21	2:39PM	✓	✓	✓									
55	SP 13 @ 3'												11/23/21	2:51PM	✓	✓	✓									
56	SP 14 @ SURFACE												11/24/21	9:40AM	✓	✓	✓									
57	SP 14 @ 1'												11/24/21	9:53AM	✓	✓	✓									
58	SP 14 @ 2'												11/24/21	10:08AM	✓	✓	✓									
59	SP 14 @ 3'												11/24/21	10:17AM	✓	✓	✓									
60	SP 15 @ SURFACE												11/24/21	10:30AM	✓	✓	✓									

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Relinquished By: <i>Simon Rana</i>	Date: 12-21 Time: 8:00 AM	Received By: <i>Israel Rana</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By: <i>Israel Rana</i>	Date: 12-21 Time: 4:30 PM	Received By: <i>Samara Aldate</i>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) -0.52 C-0.52	Sample Condition	CHECKED BY: (Initials)	REMARKS:	
Sampler - UPS - Bus - Other: -1.0 C #113	Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No	<i>T.O.</i>		

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CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.				BILL TO												ANALYSIS REQUEST																		
Project Manager: Cliff Brunson				P.O. #:				<div style="display: flex; flex-direction: column; align-items: center;"> <div style="margin-bottom: 10px;">CL</div> <div style="margin-bottom: 10px;">BTEX</div> <div style="margin-bottom: 10px;">TPH EXT</div> </div>																										
Address: P.O. Box 805				Company: <i>Oxy</i>																														
City: Hobbs State: NM Zip: 88241				Attn:																														
Phone #: 575-397-6388 Fax #: 575-397-0397				Address:																														
Project #: Project Owner: Oxy				City:																														
Project Name: TWIN LAKES SA UNIT #19				State: Zip:																														
Project Location: NEW MEXICO				Phone #:																														
Sampler Name: SIMON				Fax #:																														
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																										
Lab I.D.	Sample I.D.	(GRAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME																				
<i>H213446</i>																																		
<i>61</i>	SP 15 @ 1'												11/24/21	10:44AM	✓	✓	✓																	
<i>62</i>	SP 15 @ 2'												11/24/21	10:56AM	✓	✓	✓																	
<i>63</i>	SP 15 @ 3'												11/24/21	11:10AM	✓	✓	✓																	
<i>64</i>	SP 16 @ SURFACE												11/24/21	11:20AM	✓	✓	✓																	
<i>65</i>	SP 16 @ 1'												11/24/21	11:29AM	✓	✓	✓																	
<i>66</i>	SP 16 @ 2'												11/24/21	11:38AM	✓	✓	✓																	
<i>67</i>	SP 16 @ 3'												11/24/21	11:51AM	✓	✓	✓																	
<i>68</i>	SP 17 @ SURFACE												11/29/21	9:45AM	✓	✓	✓																	
<i>69</i>	SP 17 @ 1'												11/29/21	9:53AM	✓	✓	✓																	
<i>70</i>	SP17 @ 2'												11/29/21	10:06AM	✓	✓	✓																	

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Relinquished By: <i>Simon Rgon</i>	Date: <i>12-1-21</i>	Received By: <i>Israel Pena</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: <i>8:00AM</i>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By: <i>Israel Pena</i>	Date: <i>12-1-21</i>	Received By: <i>Samara Aldasor</i>	REMARKS:	
	Time: <i>4:30PM</i>			
Delivered By: (Circle One) <i>-0.5°C -0.5°C</i>	Sample Condition	CHECKED BY: (Initials)		
Sampler - UPS - Bus - Other: <i>-1.0°C #113</i>	Cool Intact	<i>T.O.</i>		
	<input type="checkbox"/> Yes <input type="checkbox"/> No			

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

January 29, 2024

AIMEE COLE

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: TWIN LAKES SA UNIT #019

Enclosed are the results of analyses for samples received by the laboratory on 01/26/24 14:02.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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:

ENSOLUM, LLC
 AIMEE COLE
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/26/2024
 Reported: 01/29/2024
 Project Name: TWIN LAKES SA UNIT #019
 Project Number: 03E1417002
 Project Location: OXY-EDDY COUNTY, NM

Sampling Date: 01/24/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: EAST 2 0' (H240363-01)

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	01/26/2024	ND	2.19	110	2.00	1.62	
Toluene*	<0.050	0.050	01/26/2024	ND	2.19	110	2.00	1.70	
Ethylbenzene*	<0.050	0.050	01/26/2024	ND	2.18	109	2.00	1.43	
Total Xylenes*	<0.150	0.150	01/26/2024	ND	6.39	106	6.00	1.55	
Total BTX	<0.300	0.300	01/26/2024	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	32.0	16.0	01/29/2024	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	01/26/2024	ND	167	83.7	200	1.38	
DRO >C10-C28*	<10.0	10.0	01/26/2024	ND	179	89.4	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	01/26/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 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:

ENSOLUM, LLC
 AIMEE COLE
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/26/2024
 Reported: 01/29/2024
 Project Name: TWIN LAKES SA UNIT #019
 Project Number: 03E1417002
 Project Location: OXY-EDDY COUNTY, NM

Sampling Date: 01/24/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: EAST 2 1' (H240363-02)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/26/2024	ND	2.19	110	2.00	1.62		
Toluene*	<0.050	0.050	01/26/2024	ND	2.19	110	2.00	1.70		
Ethylbenzene*	<0.050	0.050	01/26/2024	ND	2.18	109	2.00	1.43		
Total Xylenes*	<0.150	0.150	01/26/2024	ND	6.39	106	6.00	1.55		
Total BTEX	<0.300	0.300	01/26/2024	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	208	16.0	01/29/2024	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	01/26/2024	ND	167	83.7	200	1.38	
DRO >C10-C28*	<10.0	10.0	01/26/2024	ND	179	89.4	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	01/26/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 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:

ENSOLUM, LLC
 AIMEE COLE
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/26/2024
 Reported: 01/29/2024
 Project Name: TWIN LAKES SA UNIT #019
 Project Number: 03E1417002
 Project Location: OXY-EDDY COUNTY, NM

Sampling Date: 01/24/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SOUTH 2' (H240363-03)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/26/2024	ND	2.19	110	2.00	1.62		
Toluene*	<0.050	0.050	01/26/2024	ND	2.19	110	2.00	1.70		
Ethylbenzene*	<0.050	0.050	01/26/2024	ND	2.18	109	2.00	1.43		
Total Xylenes*	<0.150	0.150	01/26/2024	ND	6.39	106	6.00	1.55		
Total BTEX	<0.300	0.300	01/26/2024	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	400	16.0	01/29/2024	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	01/26/2024	ND	167	83.7	200	1.38	
DRO >C10-C28*	<10.0	10.0	01/26/2024	ND	179	89.4	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	01/26/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 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:

ENSOLUM, LLC
 AIMEE COLE
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/26/2024
 Reported: 01/29/2024
 Project Name: TWIN LAKES SA UNIT #019
 Project Number: 03E1417002
 Project Location: OXY-EDDY COUNTY, NM

Sampling Date: 01/24/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: WEST 1' (H240363-04)

BTX 8021B		mg/kg	Analyzed By: JH					HDSP-1	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/26/2024	ND	2.19	110	2.00	1.62	
Toluene*	<0.050	0.050	01/26/2024	ND	2.19	110	2.00	1.70	
Ethylbenzene*	<0.050	0.050	01/26/2024	ND	2.18	109	2.00	1.43	
Total Xylenes*	<0.150	0.150	01/26/2024	ND	6.39	106	6.00	1.55	
Total BTX	<0.300	0.300	01/26/2024	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	16.0	16.0	01/29/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg	Analyzed By: MS					HDSP-1	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/26/2024	ND	167	83.7	200	1.38	
DRO >C10-C28*	<10.0	10.0	01/26/2024	ND	179	89.4	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	01/26/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 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

Notes and Definitions

HDSP-1	Sample container had headspace. Results may be biased low.
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", written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



101 East Maryland, Hobbs, NM 88240
(575) 383-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Project Manager: Anne Cole Address: 601 N. Mainfield St STE 400 City: Midland State: TX Zip: 79701 Phone #: 720 344 7365 Fax #: Project #: 03E1417662 Project Owner: Project Name: Twin Lakes SA Unit #069 Project Location: Eddy County Sampler Name: SK		FOR LAB USE ONLY Lab I.D. H40363 Sample I.D. Depth (feet) (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER : DATE TIME BTEx TPH CI-		BILL TO P.O. #: Company: Oxy USA Inc Address: Wadsworth City: State: Zip: Phone #: 575 390 2828 Fax #:		ANALYSIS REQUEST	
Relinquished By: MM Date: 1/24/24 Time: 0850 Received By: P41 Date: 1/24/24 Time: 1402 Observed Temp. °C: 3.46 Corrected Temp. °C: Sample Condition: <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Checked By: (signature) Turnaround Time: #140 Thermometer ID #: 473 Corrosion Factor: 0.550 Remarks: 24 hrs sample #4 got wet inside of cooler & was bad smell. Customer said run it.		Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone #: All Results are emailed. Please provide Email address:		Standard <input checked="" type="checkbox"/> Bacteria (only) <input type="checkbox"/> Sample Condition <input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Corrected Temp. °C		Cardinal cannot accept verbal changes. Please email changes to cely.lee@cardinallabsnm.com	



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

February 04, 2024

AIMEE COLE
ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND, TX 79705

RE: TWIN LAKES SA UNIT #019

Enclosed are the results of analyses for samples received by the laboratory on 02/01/24 10:27.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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:

ENSOLUM, LLC
 AIMEE COLE
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 02/01/2024
 Reported: 02/04/2024
 Project Name: TWIN LAKES SA UNIT #019
 Project Number: 03E1417002
 Project Location: OXY- CHAVES COUNTY, NM

Sampling Date: 01/31/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: NORTH 1' (H240470-01)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/01/2024	ND	2.20	110	2.00	9.52		
Toluene*	<0.050	0.050	02/01/2024	ND	2.28	114	2.00	10.4		
Ethylbenzene*	<0.050	0.050	02/01/2024	ND	2.41	120	2.00	9.83		
Total Xylenes*	<0.150	0.150	02/01/2024	ND	7.22	120	6.00	10.1		
Total BTEX	<0.300	0.300	02/01/2024	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	3360	16.0	02/02/2024	ND	448	112	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*	<50.0	50.0	02/01/2024	ND	201	101	200	3.65	
DRO >C10-C28*	1790	50.0	02/01/2024	ND	204	102	200	4.57	
EXT DRO >C28-C36	1450	50.0	02/01/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 139 % 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

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

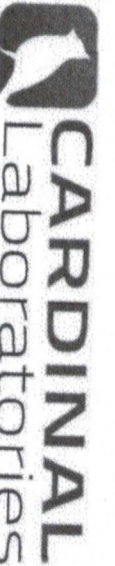
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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: Ensolum, LLC

Project Manager: Aimee Cole

Address: 601 N. Marland St. STE 400

City: Midland

Phone #: 720-384-7365

Project #: 03E1417002

Project Name: Twin Lakes SA Unit #019

Project Location: Cheyenne County

Sampler Name: SK

BILL TO

P.O. #:

Company: Oxy USA, Inc.

Attn: Wade Dittich

Address:

City:

State: Zip:

Phone #: 575-390-2828

Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY

Lab I.D. Sample I.D.

Sample Depth (feet)

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE TIME

DATE TIME

DATE TIME

DATE TIME

DATE TIME

DATE TIME

DATE TIME

DATE TIME

DATE TIME

DATE TIME

DATE TIME

DATE TIME

DATE TIME

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Relinquished By:

Date: 1/24

Received By: Stockliques

Verbal Result: ☐ Yes ☒ No

Add'l Phone #:

All Results are emailed. Please provide Email address:

Acole@ensolum.com

Relinquished By:

Date: 1/24

Received By: Stockliques

Verbal Result: ☐ Yes ☒ No

Add'l Phone #:

Delivered By: (Circle One)

Observed Temp. °C

Corrected Temp. °C

Sample Condition

CHECKED BY: (Initials)

Turnaround Time: 48 hours

Standard

Bacteria (only)

Sample Condition

Observed Temp. °C

Corrected Temp. °C

Sampler - UPS - Bus - Other:

Corrected Temp. °C

Sample Condition

CHECKED BY: (Initials)

Turnaround Time: 48 hours

Standard

Bacteria (only)

Sample Condition

Observed Temp. °C

Corrected Temp. °C

FORM-006 (R-3.2) 10/07/21

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



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

February 13, 2024

AIMEE COLE

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: TWIN LAKES SA UNIT #019

Enclosed are the results of analyses for samples received by the laboratory on 02/12/24 16:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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 fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 AIMEE COLE
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 02/12/2024
 Reported: 02/13/2024
 Project Name: TWIN LAKES SA UNIT #019
 Project Number: 03E1417002
 Project Location: OXY- CHAVES COUNTY, NM

Sampling Date: 02/08/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NORTH 3' (H240657-01)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2024	ND	1.96	97.8	2.00	5.68	
Toluene*	<0.050	0.050	02/12/2024	ND	2.08	104	2.00	7.99	
Ethylbenzene*	<0.050	0.050	02/12/2024	ND	2.22	111	2.00	8.97	
Total Xylenes*	<0.150	0.150	02/12/2024	ND	6.67	111	6.00	9.27	
Total BTEx	<0.300	0.300	02/12/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4300	16.0	02/13/2024	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	02/13/2024	ND	208	104	200	2.54	
DRO >C10-C28*	<10.0	10.0	02/13/2024	ND	196	98.0	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	02/13/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 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

Notes and Definitions

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

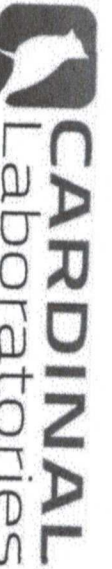
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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: Ensolum, LLC

Project Manager: Airnee Cole

Address: 601 N. Marland St. STE 400

City: Midland

Phone #: 720-384-7365

State: TX

Zip: 79701

Fax #:

Project #:

Project Owner:

Project Name:

Project Location:

Sampler Name:

BILL TO

P.O. #:

Company: Oxy USA, Inc.

Attn: Wade Dittich

Address:

City:

State:

Zip:

Phone #:

Fax #:

ANALYSIS REQUEST

Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	DATE	TIME	ANALYSIS
12440657	North	3		1	GROUNDWATER			2/8/24	1155	BTEX TPH Chloride
					WASTEWATER					
					SOIL					
					OIL					
					SLUDGE					
					OTHER :					
					ACID/BASE:					
					ICE / COOL					
					OTHER :					

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Relinquished By:

Date: 2-13-24

Received By:

Verbal Result: ☐ Yes ☒ No Add'l Phone #:

All Results are emailed. Please provide Email address:

ACole@ensolum.com

Relinquished By:

Date: 2-13-24

Received By:

REMARKS:

24

Time:

Date: 2-13-24

Turnaround Time:

Standard

Delivered By: (Circle One)

Observed Temp. °C

3.6

Sample Condition

CHECKED BY: (Initials)

Thermometer ID

#113-#140

Correction Factor

-0.06

Standard

Bacteria (only)

Sample Condition

Observed Temp. °C

Corrected Temp. °C

Sampler - UPS - Bus - Other:

Corrected Temp. °C

3.6

Sample Condition

CHECKED BY: (Initials)

Thermometer ID

#113-#140

Correction Factor

-0.06

Standard

Bacteria (only)

Sample Condition

Observed Temp. °C

Corrected Temp. °C

FORM 006 R3.2 10/07/21

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

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

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

QUESTIONS

Action 318509

QUESTIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID:
	16696
	Action Number:
	318509
Action Type:	
[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2405245671
Incident Name	NAPP2405245671 TWIN LAKES SA UNIT #019 @ 30-005-60560
Incident Type	Oil Release
Incident Status	Remediation Plan Received
Incident Well	[30-005-60560] TWIN LAKES SAN ANDRES UNIT #019

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Twin Lakes SA Unit #019
Date Release Discovered	11/01/2021
Surface Owner	State

Incident Details	
Please answer all the questions in this group.	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
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: Other Unknown Crude Oil Released: 0 BBL (Unknown Released Amount) Recovered: 0 BBL Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Other Unknown Produced Water Released: 0 BBL (Unknown Released Amount) Recovered: 0 BBL Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
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)	Historical release, volume is unknown. Oxy is not the Operator of the Incident Well and has no independent knowledge of the facts or circumstances surrounding the nature, content or volume of any release(s), contemporaneous to any such release(s). All information submitted by Oxy herein is based on Oxy's present day observations of the site, and educated guesses based on those observations. Oxy submits this Notification of Release pursuant to an agreement with the New Mexico State Land Office, as lessee of record.

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QUESTIONS, Page 2

Action 318509

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID:	16696
	Action Number:	318509
	Action Type:	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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.
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	False
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	Historical release

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: 02/28/2024
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QUESTIONS, Page 3

Action 318509

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID:
	16696
	Action Number:
	318509
Action Type:	
[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

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	U.S. Geological Survey
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 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1000 (ft.) and ½ (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	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

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)	13100
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	3240
GRO+DRO	(EPA SW-846 Method 8015M)	1790
BTEX	(EPA SW-846 Method 8021B or 8260B)	0
Benzene	(EPA SW-846 Method 8021B or 8260B)	0

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	06/01/2024
On what date will (or did) the final sampling or liner inspection occur	08/30/2024
On what date will (or was) the remediation complete(d)	08/30/2024
What is the estimated surface area (in square feet) that will be reclaimed	90000
What is the estimated volume (in cubic yards) that will be reclaimed	5000
What is the estimated surface area (in square feet) that will be remediated	90000
What is the estimated volume (in cubic yards) that will be remediated	5000

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 318509

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID:	16696
	Action Number:	318509
	Action Type:	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS**Remediation Plan (continued)**

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.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(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	R360 Artesia LLC LANDFARM [FEEM0112340644]
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.

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 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: 02/29/2024
--	---

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 5

Action 318509

QUESTIONS (continued)

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	Action Number:
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Action Type:	
[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

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 318509

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 318509
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	{Unavailable.}

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	No

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CONDITIONS

Action 318509

CONDITIONS

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	Action Number: 318509
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
scwells	Remediation plan approved. Variance approved to collect floor samples from the excavation every 400 square feet. Submit remediation closure report to the OCD by 6/10/2024.	3/11/2024