



October 6, 2025

New Mexico Oil Conservation Division

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

**Re: Closure Request
Twin Lakes SA Unit #047
Incident Number nAPP2405244585
Chaves County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Oxy USA Inc. (Oxy), has prepared this *Closure Request* as a follow-up to the *Remediation Work Plan (Work Plan)* submitted to the New Mexico Oil Conservation Division (NMOCD) on February 29, 2024, and approved by NMOCD on March 12, 2024. This *Closure Request* documents assessment, excavation, and soil sampling activities performed at the Twin Lakes SA Unit #047 (Site) to address historical impacted soil identified at the Site. Based on the remediation activities completed as outlined in the approved *Work Plan*, Oxy is submitting this *Closure Request*, describing remediation that has occurred and requesting closure for Incident Number nAPP2405244585.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit P, Section 36, Township 8 South, Range 28 East, in Chaves County, New Mexico (33.57060, -104.03537) 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 historical release area identified by the NMSLO. 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 nAPP2405244585.

Oxy is not the Operator of the Twin Lakes SA Unit #047 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 *Closure Request* pursuant to an agreement with the NMSLO, as lessee of record.

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CULTURAL PROPERTIES PROTECTION

A portion of the excavation was anticipated to encroach into an undisturbed pasture area; therefore, the Cultural Properties Protection Rule (CPP) was followed prior to surface disturbing activities. An Archaeological Records Management System (ARMS) review and pedestrian survey were completed at the Site. No cultural resources were identified within or around the release extent. A Cultural Resources Cover Sheet and email correspondence with the SLO Cultural Resource Office are attached as Appendix A.

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 desktop review were detailed in the approved *Work Plan* and summarized in the NMOCD permitting portal, Form C-141 Site Characterization section. Potential Site receptors are identified on Figure 1.

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

- 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

As detailed in the *Work Plan*, BBC and Ensolum personnel were at the Site during November 2021 and January 2024, 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 2 feet bgs to confirm the lateral extent of the release. Potholes were advanced at thirteen sample points (SP1 through SP13) within the release, 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 SP13 at depths ranging from the ground surface to 4 feet bgs.

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-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 B.

Laboratory analytical results for the delineation samples collected from sample points North, East, East 2, West, and South, indicated all COC concentrations were compliant with the Site Closure Criteria and confirmed the lateral extent of the surface release. Laboratory analytical results for the delineation soil samples collected from sample points SP6 through SP8 and SP10 through SP13, collected at depths

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ranging from the ground surface to 2 feet bgs, indicated all COC concentrations were compliant with the Site Closure Criteria. Laboratory analytical results for delineation soil samples collected from sample points SP1 through SP5 and SP9 indicated that TPH and/or chloride concentrations exceeded the Site Closure Criteria at depths ranging from the ground surface to 2 feet bgs. Laboratory analytical results are summarized on the attached Table 1.

Based on the soil sample analytical results, excavation activities were completed at the Site as outlined in the approved *Work Plan* and are detailed below.

EXCAVATION ACTIVITIES AND LABORATORY ANALYTICAL RESULTS

During November 2024, BBC completed excavation of impacted soil around sample points SP1 through SP5 and SP9, as outlined in the approved *Work Plan*. Excavation activities were performed utilizing a track-mounted backhoe and transport vehicles. The excavation was completed to depths ranging from 1-foot to 3 feet bgs.

Following removal of impacted soil, BBC collected 5-point composite soil samples every 200 square feet from the floor of the excavation and every 200 square feet from the sidewalls of the excavation. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil samples BOTTOM 1 through BOTTOM 85 were collected from the floor of the excavation at depths ranging from 1-foot to 3 feet bgs. Composite soil samples SIDEWALL 1 through SIDEWALL 23 were collected from the sidewalls of the excavation at depths ranging from the ground surface to 3 feet bgs. The excavation soil samples were handled and analyzed following the same procedures as described above. The excavation extent and excavation soil sample locations were mapped utilizing a handheld GPS and are presented on Figure 3. Photographic documentation was completed during the excavation activities and a photographic log is included in Appendix B.

Laboratory analytical results for excavation floor samples BOTTOM 1 through BOTTOM 85 and excavation sidewall samples SIDEWALL 1 through SIDEWALL 23, collected from the final excavation extent, indicated all COC concentrations were compliant with the Site Closure Criteria. Based on the laboratory analytical results, no further excavation was required. The laboratory analytical results are summarized on Table 1 and the complete laboratory analytical reports are included as Appendix C.

The excavation measured approximately 16,637 square feet in areal extent. A total of approximately 958 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at the Gandy Marley Inc. (GMI) landfill located in Roswell, New Mexico.

RECLAMATION ACTIVITIES

Upon completion of excavation activities and receipt of final laboratory analytical results, the excavation was backfilled with locally procured soil. One representative 5-point composite sample (Backfill) was collected from the backfill material. The backfill soil sample was handled and analyzed following the same procedures as described above. Laboratory analytical results for the backfill soil sample confirmed compliance with the NMOCD requirements for the reclaimed area to contain non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 milligrams per kilogram (mg/k) and TPH concentrations less than 100 mg/kg. Photographs of the backfilled excavation are provided in Appendix B. The laboratory analytical results are summarized on the attached Table 1 and the complete laboratory analytical report is included as Appendix C. The chain-of-custody correspondence confirming the collection of a 5-point composite sample is included in Appendix D.

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Following backfill activities, the disturbed area was recontoured to match the surrounding topography. The reclaimed excavation area will be seeded during the Fall of 2025 when temperatures and precipitation are more conducive to vegetation growth. The Site will be seeded with the below NMSLO loamy sites seed mix at the rate specified in pounds of pure live seed (PLS) per acre.

Common Name	Variety	PLS/Acre
Black grama	VNS, Southern	1.0
Blue grama	Lovington	1.0
Sideoats grama	Vaughn, El Reno	4.0
Sand dropseed	VNS, Southern	2.0
Alkali sacaton	VNS, Southern	1.0
Little bluestem	Cimarron, Pastura	1.5

The seed mix will be applied via drill seeding or broadcast seeding. If broadcast seeding is selected, the PLS/acre will be doubled and the seed will be raked in by chaining or dragging the Site.

The Site will be monitored for vegetation growth to verify that reclamation activities were successful. Focus for this phase will be to prevent erosion and Site degradation, and to monitor for and treat invasive and noxious weed species.

- Erosion control of the newly reclaimed areas includes prompt revegetation and contouring of the surface to prevent concentrated surface water flow.
- Annual inspections will take place at the location to assess revegetation progress until vegetation is consistent with local natural vegetation density.
- If necessary, an additional application of the NMSLO seed mix will be applied.
- Noxious and invasive weeds will be identified and treated by a licensed contracted herbicide applicator or mechanically removed.

A *Re-vegetation Report* will be submitted to the NMOCD and NMSLO once vegetation growth in the reclaimed excavation area has a uniform vegetative cover that reflects a life-form ratio of plus or minus 50 percent (%) of pre-disturbance levels and a total percent plant cover of at least 70% of pre-disturbance levels, excluding noxious weeds, per NMAC 19.15.29.13 D.(3).

The Twin Lakes SA Unit #047 oil and gas well has been plugged and abandoned and the well pad requires final reclamation activities. Upon closure approval of Incident Number nAPP2405244585, a *Reclamation Plan* will be submitted to the NMSLO proposing final reclamation activities for the well pad and access road.

CLOSURE REQUEST

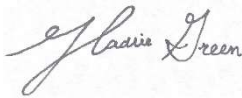
As outlined in the approved *Work Plan*, excavation activities were conducted to address the historical impacted soil identified at the Site. Laboratory analytical results for the excavation soil samples, collected from the final excavation extent, indicated all COC concentrations were compliant with the Site Closure Criteria. Based on excavation and soil sampling activities completed as outlined in the *Work Plan*, no further remediation is required.

Excavation of impacted soil has mitigated impacts at this Site. Oxy believes the remedial actions completed are protective of human health, the environment, and groundwater and respectfully requests closure for Incident Number nAPP2405244585.

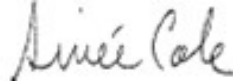
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If you have any questions or comments, please contact Ms. Aimee Cole at (720) 384-7365 or acole@ensolum.com.

Sincerely,
Ensolum, LLC



Hadlie Green
Project Geologist



Aimee Cole
Senior Managing Scientist

cc: Jessica Kent, Oxy USA Inc.
Daniel Sparks, Oxy USA Inc.
New Mexico State Land Office

Appendices:

Figure 1	Site Receptor Map
Figure 2	Delineation Soil Sample Locations
Figure 3	Excavation Soil Sample Locations
Table 1	Soil Sample Analytical Results
Appendix A	NMSLO Cultural Resources Cover Sheet
Appendix B	Photographic Log
Appendix C	Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix D	Chain-of-Custody Correspondence
Appendix E	NMOCD Correspondence

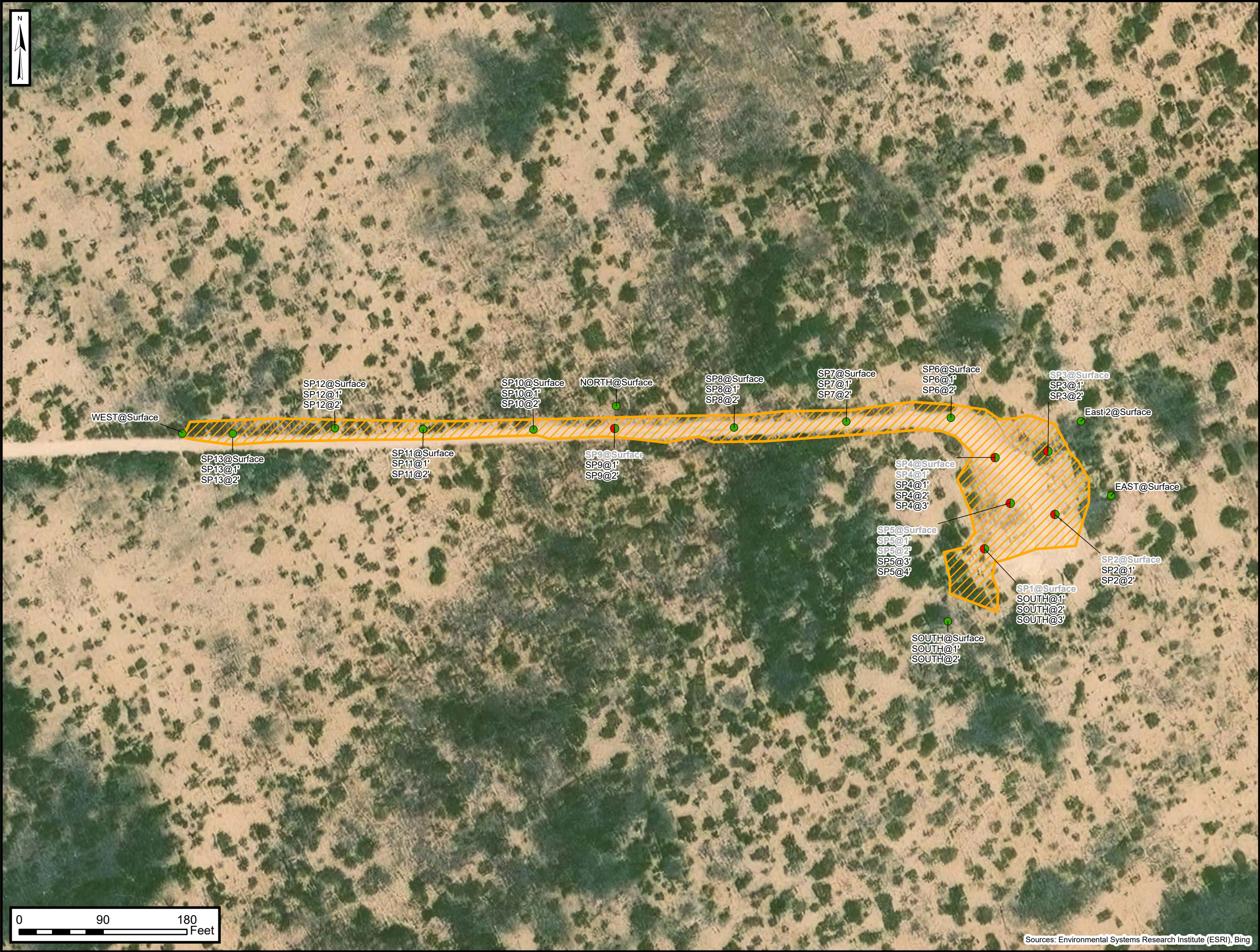


FIGURES



Chaves County, New Mexico, United States

1



Legend

- Delineation Soil Sample in Compliance with Closure Criteria
- Delineation Soil Sample with Concentrations Initially Exceeding Closure Criteria
- Release Extent


Notes:
Sample ID @ Depth Below Ground Surface.
Grey text indicates sample has been excavated.

Delineation Soil Sample Locations

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Unit P, Section 36, T 08S, R 28E
Chaves County, New Mexico

FIGURE

2



ENSOLUM
Environmental, Engineering and
Hydrogeologic Consultants





TABLES



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
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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
Assessment Soil Samples										
North	11/04/2021	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
East	11/04/2021	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
East 2	01/31/2024	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
East 2	01/31/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
West	11/04/2021	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
South	11/04/2021	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
South	01/31/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
South	01/31/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
SP1	11/04/2021	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	768
SP1	11/04/2021	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SP1	11/04/2021	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
SP1	11/04/2021	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SP2	11/04/2021	Surface	<0.050	<0.300	<10.0	106	35.7	106	142	80.0
SP2	11/04/2021	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SP2	11/04/2021	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SP3	11/04/2021	Surface	<0.050	<0.300	<50.0	960	1,340	960	2,300	2,000
SP3	11/04/2021	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
SP3	11/04/2021	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SP4	11/04/2021	Surface	<0.050	<0.300	<10.0	544	281	544	825	208
SP4	11/04/2021	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	784
SP4	11/04/2021	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
SP4	11/04/2021	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112



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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
SP5	11/04/2021	Surface	<0.050	<0.300	<10.0	197	264	197	461	688
SP5	11/04/2021	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,200
SP5	11/04/2021	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	768
SP5	11/04/2021	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
SP5	11/04/2021	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
SP6	11/04/2021	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
SP6	11/04/2021	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SP6	11/04/2021	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SP7	11/04/2021	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448
SP7	11/04/2021	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SP7	11/04/2021	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SP8	11/05/2021	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
SP8	11/05/2021	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SP8	11/05/2021	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SP9	11/05/2021	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	624
SP9	11/05/2021	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SP9	11/05/2021	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SP10	11/05/2021	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
SP10	11/05/2021	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SP10	11/05/2021	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SP11	11/05/2021	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
SP11	11/05/2021	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SP11	11/05/2021	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SP12	11/05/2021	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
SP12	11/05/2021	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SP12	11/05/2021	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SP13	11/05/2021	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
SP13	11/05/2021	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SP13	11/05/2021	2	<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
Floor Excavation Soil Samples										
Bottom 1	11/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 2	11/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
Bottom 3	11/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
Bottom 4	11/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 5	11/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 6	11/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 7	11/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
Bottom 8	11/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
Bottom 9	11/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
Bottom 10	11/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
Bottom 11	11/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
Bottom 12	11/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
Bottom 13	11/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 14	11/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 15	11/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
Bottom 16	11/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 17	11/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
Bottom 18	11/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
Bottom 19	11/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
Bottom 20	11/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
Bottom 21	11/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
Bottom 22	11/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
Bottom 23	11/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
Bottom 24	11/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
Bottom 25	11/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
Bottom 26	11/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
Bottom 27	11/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
Bottom 28	11/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Twin Lakes SA Unit #047
 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
Bottom 29	11/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
Bottom 30	11/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
Bottom 31	11/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
Bottom 32	11/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
Bottom 33	11/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
Bottom 34	11/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
Bottom 35	11/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
Bottom 36	11/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
Bottom 37	11/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 38	11/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 39	11/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 40	11/22/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 41	11/22/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 42	11/22/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 43	11/22/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 44	11/22/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 45	11/22/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 46	11/22/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 47	11/22/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 48	11/22/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 49	11/22/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 50	11/22/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 51	11/22/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 52	11/22/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 53	11/22/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 54	11/22/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 55	11/22/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 56	11/22/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 57	11/22/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
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 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
Bottom 58	11/22/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
Bottom 59	11/22/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
Bottom 60	11/22/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
Bottom 61	11/22/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
Bottom 62	11/22/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
Bottom 63	11/22/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
Bottom 64	11/22/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
Bottom 65	11/22/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
Bottom 66	11/22/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
Bottom 67	11/22/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
Bottom 68	11/22/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
Bottom 69	11/22/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
Bottom 70	11/22/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
Bottom 71	11/22/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
Bottom 72	11/22/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
Bottom 73	11/22/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
Bottom 74	11/22/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
Bottom 75	11/22/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
Bottom 76	11/22/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
Bottom 77	11/22/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
Bottom 78	11/25/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 79	11/25/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 80	11/25/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 81	11/25/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 82	11/25/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 83	11/25/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 84	11/25/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 85	11/25/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0



TABLE 1
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 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
Sidewall Excavation Soil Samples										
Sidewall 1	11/25/2024	0 - 1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Sidewall 2	11/25/2024	0 - 1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Sidewall 3	11/25/2024	0 - 1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Sidewall 4	11/25/2024	0 - 1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Sidewall 5	11/25/2024	0 - 1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Sidewall 6	11/25/2024	0 - 1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Sidewall 7	11/25/2024	0 - 1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Sidewall 8	11/25/2024	0 - 1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Sidewall 9	11/25/2024	0 - 1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Sidewall 10	11/25/2024	0 - 1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Sidewall 11	11/25/2024	0 - 1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Sidewall 12	11/25/2024	0 - 2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
Sidewall 13	11/25/2024	0 - 2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
Sidewall 14	11/25/2024	0 - 2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
Sidewall 15	11/25/2024	0 - 2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Sidewall 16	11/25/2024	0 - 2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
Sidewall 17	11/25/2024	0 - 2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Sidewall 18	11/25/2024	0 - 2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Sidewall 19	11/25/2024	0 - 2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Sidewall 20	11/25/2024	0 - 3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Sidewall 21	11/25/2024	0 - 3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Sidewall 22	11/25/2024	0 - 3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Sidewall 23	11/25/2024	0 - 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
Backfill Soil Sample										
Backfill	01/31/2025	NA	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0

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

NMSLO Cultural Resources Cover Sheet



Stephanie Garcia Richard, Commissioner of Public Lands
State of New Mexico

NMSLO Cultural Resources Cover Sheet Exhibit

NMCRIS Activity Number:

(if applicable)

Exhibit Type (select one)

ARMS Inspection/Review - Summarize the results (select one):

- (A) The entire area of potential effect or project area has been previously surveyed to current standards and **no cultural properties** were found within the survey area.
- (B) The entire area of potential effect or project area has been previously surveyed to current standards and **cultural properties were found** within the survey area.
- (C) The entire area of potential effect or project area has **not** been previously surveyed or **has not been surveyed** to current standards. A complete archaeological survey will be conducted and submitted for review.

Archaeological Survey

Findings:

Negative - No further archaeological review is required.

Positive - Have avoidance and protection measures been devised? Select one:

Comments:

Project Details:

NMSLO Lease Number (if available):

Cultural Resources Consultant:

Project Proponent (Applicant):

Project Title/Description:

Project Location:

County(ies):

PLSS/Section/Township/Range):

For NMSLO Agency Use Only:

NMSLO Lease Number:

Acknowledgment-Only:

Lease Analyst:

Date Exhibit Routed to Cultural Resources Office:

No person may alter the wording of the questions or layout of the cover sheet. The completion of this cover sheet by itself does not authorize anyone to engage in new surface disturbing activity before the review and approvals required by the Cultural Properties Protections Rule.

Form Revised 12 22

From: [Raina Hanley](#)
To: [Aimee Cole](#)
Subject: FW: Remediation negative Survey Submission- NMCRIS 155384 (BCA24-1716)
Date: Tuesday, April 23, 2024 3:06:24 PM
Attachments: [image001.jpg](#)
[image004.jpg](#)
[image006.jpg](#)
[image008.jpg](#)
[image002.jpg](#)
[image009.jpg](#)
[image010.jpg](#)
[image012.jpg](#)

[**EXTERNAL EMAIL**]

Raina Hanley
Chief Operating Officer

Beaver Creek Archaeology & Environmental
1632 Capitol Way
Bismarck, ND 58501
Ph: (701) 663-5521 | Fx: (701) 663-5589

Beaver Creek Archaeology & Environmental
712 West Quay Avenue
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From: Curry, Anne R. <acurry@slo.state.nm.us>
Sent: Tuesday, April 23, 2024 5:03 PM
To: Raina Hanley <RHanley@bcarch.org>; CRO Info <croinfo@slo.state.nm.us>
Subject: RE: Remediation negative Survey Submission- NMCRIS 155384 (BCA24-1716)

Hello,

Thank you for the submission of the attached Cover Sheet. Since the proposed remediation activities will take place in an area that has been covered by archaeological survey (NMCRIS 155384) and no cultural properties were identified, Ensolum is free to move forward with remediation. Please reach out if you have additional questions-

Anne Curry

Archaeologist

Cultural Resources Office

Office: 505.827.1276

Cell: 505.469.5582

New Mexico State Land Office

310 Old Santa Fe Trail

P.O. Box 1148

Santa Fe, NM 87504-1148

acurry@slo.state.nm.us

nmstatelands.org

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From: Raina Hanley <RHanley@bcarch.org>

Sent: Tuesday, April 23, 2024 1:18 PM

To: CRO Info <croinfo@slo.state.nm.us>

Subject: [EXTERNAL] Remediation negative Survey Submission- NMCRIS 155384 (BCA24-1716)

Good Afternoon,

Attached please find the SLO coversheet for the following remediation project for Ensolum on behalf of Oxy USA:

- A Class III Cultural Resource Inventory for the Oxy USA's Twin Lakes SA Unit #47
Flow line Release Remediation in Chaves County, New Mexico

The NIAF has been submitted through NMCRIS. Please let us know if you have any questions or concerns.

Thank you!

Raina Hanley

Chief Operating Officer

Beaver Creek Archaeology & Environmental

1632 Capitol Way
Bismarck, ND 58501
Ph: (701) 663-5521 | Fx: (701) 663-5589

Beaver Creek Archaeology & Environmental
712 West Quay Avenue
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APPENDIX B

Photographic Log



Photographic Log

Oxy USA, Inc.

Twin Lakes SA Unit #047

Incident Number nAPP2405244585



Photograph 1

Date: November 2024

Description: Excavation extent



Photograph 2

Date: November 2024

Description: Excavation extent



Photograph 3

Date: November 2024

Description: Excavation extent



Photograph 4

Date: November 2024

Description: Excavation extent



Photographic Log

Oxy USA, Inc.

Twin Lakes SA Unit #047

Incident Number nAPP2405244585



Photograph 5

Date: January 2025

Description: Backfill activities



Photograph 6

Date: January 2025

Description: Backfill activities



Photograph 7

Date: January 2025

Description: Backfill activities



Photograph 8

Date: January 2025

Description: Backfill activities



APPENDIX C

Laboratory Analytical Reports & Chain of Custody Documentation



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

December 04, 2024

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: TWIN LAKES SA UNIT #47

Enclosed are the results of analyses for samples received by the laboratory on 11/26/24 9:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 1 @ 1' (H247235-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/29/2024	ND	2.11	105	2.00	5.57	
Toluene*	<0.050	0.050	11/29/2024	ND	2.15	108	2.00	6.58	
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.08	104	2.00	7.07	
Total Xylenes*	<0.150	0.150	11/29/2024	ND	6.53	109	6.00	6.96	
Total BTEX	<0.300	0.300	11/29/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/02/2024	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	11/27/2024	ND	209	104	200	5.52	
DRO >C10-C28*	<10.0	10.0	11/27/2024	ND	214	107	200	6.15	
EXT DRO >C28-C36	<10.0	10.0	11/27/2024	ND					

Surrogate: 1-Chlorooctane 92.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 2 @ 1' (H247235-02)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/29/2024	ND	2.11	105	2.00	5.57		
Toluene*	<0.050	0.050	11/29/2024	ND	2.15	108	2.00	6.58		
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.08	104	2.00	7.07		
Total Xylenes*	<0.150	0.150	11/29/2024	ND	6.53	109	6.00	6.96		
Total BTEX	<0.300	0.300	11/29/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/02/2024	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	11/27/2024	ND	209	104	200	5.52	
DRO >C10-C28*	<10.0	10.0	11/27/2024	ND	214	107	200	6.15	
EXT DRO >C28-C36	<10.0	10.0	11/27/2024	ND					

Surrogate: 1-Chlorooctane 97.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 3 @ 1' (H247235-03)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/29/2024	ND	2.11	105	2.00	5.57	
Toluene*	<0.050	0.050	11/29/2024	ND	2.15	108	2.00	6.58	
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.08	104	2.00	7.07	
Total Xylenes*	<0.150	0.150	11/29/2024	ND	6.53	109	6.00	6.96	
Total BTEx	<0.300	0.300	11/29/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/02/2024	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	11/27/2024	ND	209	104	200	5.52	
DRO >C10-C28*	<10.0	10.0	11/27/2024	ND	214	107	200	6.15	
EXT DRO >C28-C36	<10.0	10.0	11/27/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 4 @ 1' (H247235-04)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/29/2024	ND	2.11	105	2.00	5.57		
Toluene*	<0.050	0.050	11/29/2024	ND	2.15	108	2.00	6.58		
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.08	104	2.00	7.07		
Total Xylenes*	<0.150	0.150	11/29/2024	ND	6.53	109	6.00	6.96		
Total BTX	<0.300	0.300	11/29/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/02/2024	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	11/27/2024	ND	209	104	200	5.52	
DRO >C10-C28*	<10.0	10.0	11/27/2024	ND	214	107	200	6.15	
EXT DRO >C28-C36	<10.0	10.0	11/27/2024	ND					

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 5 @ 1' (H247235-05)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/29/2024	ND	2.11	105	2.00	5.57	
Toluene*	<0.050	0.050	11/29/2024	ND	2.15	108	2.00	6.58	
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.08	104	2.00	7.07	
Total Xylenes*	<0.150	0.150	11/29/2024	ND	6.53	109	6.00	6.96	
Total BTEx	<0.300	0.300	11/29/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/02/2024	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	11/27/2024	ND	198	99.2	200	5.16	
DRO >C10-C28*	<10.0	10.0	11/27/2024	ND	209	104	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	11/27/2024	ND					

Surrogate: 1-Chlorooctane 94.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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 Cliff Brunson
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Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 6 @ 1' (H247235-06)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/29/2024	ND	2.11	105	2.00	5.57		
Toluene*	<0.050	0.050	11/29/2024	ND	2.15	108	2.00	6.58		
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.08	104	2.00	7.07		
Total Xylenes*	<0.150	0.150	11/29/2024	ND	6.53	109	6.00	6.96		
Total BTX	<0.300	0.300	11/29/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/02/2024	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	11/27/2024	ND	198	99.2	200	5.16	
DRO >C10-C28*	<10.0	10.0	11/27/2024	ND	209	104	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	11/27/2024	ND					

Surrogate: 1-Chlorooctane 86.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 7 @ 1' (H247235-07)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/29/2024	ND	2.11	105	2.00	5.57		
Toluene*	<0.050	0.050	11/29/2024	ND	2.15	108	2.00	6.58		
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.08	104	2.00	7.07		
Total Xylenes*	<0.150	0.150	11/29/2024	ND	6.53	109	6.00	6.96		
Total BTEX	<0.300	0.300	11/29/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/02/2024	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	11/27/2024	ND	198	99.2	200	5.16	
DRO >C10-C28*	<10.0	10.0	11/27/2024	ND	209	104	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	11/27/2024	ND					

Surrogate: 1-Chlorooctane 92.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 8 @ 1' (H247235-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/29/2024	ND	2.11	105	2.00	5.57		
Toluene*	<0.050	0.050	11/29/2024	ND	2.15	108	2.00	6.58		
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.08	104	2.00	7.07		
Total Xylenes*	<0.150	0.150	11/29/2024	ND	6.53	109	6.00	6.96		
Total BTEX	<0.300	0.300	11/29/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/02/2024	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	11/27/2024	ND	198	99.2	200	5.16	
DRO >C10-C28*	<10.0	10.0	11/27/2024	ND	209	104	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	11/27/2024	ND					

Surrogate: 1-Chlorooctane 76.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 9 @ 1' (H247235-09)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/29/2024	ND	2.11	105	2.00	5.57	
Toluene*	<0.050	0.050	11/29/2024	ND	2.15	108	2.00	6.58	
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.08	104	2.00	7.07	
Total Xylenes*	<0.150	0.150	11/29/2024	ND	6.53	109	6.00	6.96	
Total BTEx	<0.300	0.300	11/29/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/02/2024	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	11/27/2024	ND	198	99.2	200	5.16	
DRO >C10-C28*	<10.0	10.0	11/27/2024	ND	209	104	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	11/27/2024	ND					

Surrogate: 1-Chlorooctane 90.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 10 @ 1' (H247235-10)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/29/2024	ND	2.11	105	2.00	5.57	
Toluene*	<0.050	0.050	11/29/2024	ND	2.15	108	2.00	6.58	
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.08	104	2.00	7.07	
Total Xylenes*	<0.150	0.150	11/29/2024	ND	6.53	109	6.00	6.96	
Total BTEX	<0.300	0.300	11/29/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/02/2024	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	11/27/2024	ND	198	99.2	200	5.16	
DRO >C10-C28*	<10.0	10.0	11/27/2024	ND	209	104	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	11/27/2024	ND					

Surrogate: 1-Chlorooctane 94.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 11 @ 1' (H247235-11)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/29/2024	ND	2.11	105	2.00	5.57		
Toluene*	<0.050	0.050	11/29/2024	ND	2.15	108	2.00	6.58		
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.08	104	2.00	7.07		
Total Xylenes*	<0.150	0.150	11/29/2024	ND	6.53	109	6.00	6.96		
Total BTEX	<0.300	0.300	11/29/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/02/2024	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	11/27/2024	ND	198	99.2	200	5.16	
DRO >C10-C28*	<10.0	10.0	11/27/2024	ND	209	104	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	11/27/2024	ND					

Surrogate: 1-Chlorooctane 87.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 12 @ 1' (H247235-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/29/2024	ND	2.11	105	2.00	5.57		
Toluene*	<0.050	0.050	11/29/2024	ND	2.15	108	2.00	6.58		
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.08	104	2.00	7.07		
Total Xylenes*	<0.150	0.150	11/29/2024	ND	6.53	109	6.00	6.96		
Total BTEX	<0.300	0.300	11/29/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/02/2024	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	11/27/2024	ND	198	99.2	200	5.16	
DRO >C10-C28*	<10.0	10.0	11/27/2024	ND	209	104	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	11/27/2024	ND					

Surrogate: 1-Chlorooctane 91.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 13 @ 1' (H247235-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/29/2024	ND	2.11	105	2.00	5.57		
Toluene*	<0.050	0.050	11/29/2024	ND	2.15	108	2.00	6.58		
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.08	104	2.00	7.07		
Total Xylenes*	<0.150	0.150	11/29/2024	ND	6.53	109	6.00	6.96		
Total BTEx	<0.300	0.300	11/29/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/02/2024	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	11/27/2024	ND	198	99.2	200	5.16	
DRO >C10-C28*	<10.0	10.0	11/27/2024	ND	209	104	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	11/27/2024	ND					

Surrogate: 1-Chlorooctane 91.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 14 @ 1' (H247235-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/29/2024	ND	2.11	105	2.00	5.57		
Toluene*	<0.050	0.050	11/29/2024	ND	2.15	108	2.00	6.58		
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.08	104	2.00	7.07		
Total Xylenes*	<0.150	0.150	11/29/2024	ND	6.53	109	6.00	6.96		
Total BTEx	<0.300	0.300	11/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/02/2024	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	11/27/2024	ND	198	99.2	200	5.16	
DRO >C10-C28*	<10.0	10.0	11/27/2024	ND	209	104	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	11/27/2024	ND					

Surrogate: 1-Chlorooctane 92.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 15 @ 1' (H247235-15)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/29/2024	ND	2.11	105	2.00	5.57		
Toluene*	<0.050	0.050	11/29/2024	ND	2.15	108	2.00	6.58		
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.08	104	2.00	7.07		
Total Xylenes*	<0.150	0.150	11/29/2024	ND	6.53	109	6.00	6.96		
Total BTEx	<0.300	0.300	11/29/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/02/2024	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	11/27/2024	ND	198	99.2	200	5.16	
DRO >C10-C28*	<10.0	10.0	11/27/2024	ND	209	104	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	11/27/2024	ND					

Surrogate: 1-Chlorooctane 88.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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 Fax To: (575) 397-0397

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 16 @ 1' (H247235-16)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/29/2024	ND	2.11	105	2.00	5.57		
Toluene*	<0.050	0.050	11/29/2024	ND	2.15	108	2.00	6.58		
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.08	104	2.00	7.07		
Total Xylenes*	<0.150	0.150	11/29/2024	ND	6.53	109	6.00	6.96		
Total BTEX	<0.300	0.300	11/29/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/02/2024	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	11/27/2024	ND	198	99.2	200	5.16	
DRO >C10-C28*	<10.0	10.0	11/27/2024	ND	209	104	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	11/27/2024	ND					

Surrogate: 1-Chlorooctane 93.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 17 @ 1' (H247235-17)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/29/2024	ND	2.12	106	2.00	5.05		
Toluene*	<0.050	0.050	11/29/2024	ND	2.14	107	2.00	6.63		
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.06	103	2.00	7.24		
Total Xylenes*	<0.150	0.150	11/29/2024	ND	6.53	109	6.00	5.92		
Total BTEx	<0.300	0.300	11/29/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/03/2024	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	11/27/2024	ND	198	99.2	200	5.16	
DRO >C10-C28*	<10.0	10.0	11/27/2024	ND	209	104	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	11/27/2024	ND					

Surrogate: 1-Chlorooctane 89.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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 Fax To: (575) 397-0397

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 18 @ 1' (H247235-18)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/29/2024	ND	2.12	106	2.00	5.05		
Toluene*	<0.050	0.050	11/29/2024	ND	2.14	107	2.00	6.63		
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.06	103	2.00	7.24		
Total Xylenes*	<0.150	0.150	11/29/2024	ND	6.53	109	6.00	5.92		
Total BTEX	<0.300	0.300	11/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/03/2024	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	11/27/2024	ND	198	99.2	200	5.16	
DRO >C10-C28*	<10.0	10.0	11/27/2024	ND	209	104	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	11/27/2024	ND					

Surrogate: 1-Chlorooctane 79.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 19 @ 1' (H247235-19)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/29/2024	ND	2.12	106	2.00	5.05		
Toluene*	<0.050	0.050	11/29/2024	ND	2.14	107	2.00	6.63		
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.06	103	2.00	7.24		
Total Xylenes*	<0.150	0.150	11/29/2024	ND	6.53	109	6.00	5.92		
Total BTEx	<0.300	0.300	11/29/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/03/2024	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	11/27/2024	ND	198	99.2	200	5.16	
DRO >C10-C28*	<10.0	10.0	11/27/2024	ND	209	104	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	11/27/2024	ND					

Surrogate: 1-Chlorooctane 88.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 20 @ 1' (H247235-20)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/29/2024	ND	2.12	106	2.00	5.05		
Toluene*	<0.050	0.050	11/29/2024	ND	2.14	107	2.00	6.63		
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.06	103	2.00	7.24		
Total Xylenes*	<0.150	0.150	11/29/2024	ND	6.53	109	6.00	5.92		
Total BTEX	<0.300	0.300	11/29/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/03/2024	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	11/27/2024	ND	198	99.2	200	5.16	
DRO >C10-C28*	<10.0	10.0	11/27/2024	ND	209	104	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	11/27/2024	ND					

Surrogate: 1-Chlorooctane 89.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 21 @ 1' (H247235-21)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/29/2024	ND	2.12	106	2.00	5.05		
Toluene*	<0.050	0.050	11/29/2024	ND	2.14	107	2.00	6.63		
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.06	103	2.00	7.24		
Total Xylenes*	<0.150	0.150	11/29/2024	ND	6.53	109	6.00	5.92		
Total BTEx	<0.300	0.300	11/29/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/03/2024	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	11/27/2024	ND	198	99.2	200	5.16	
DRO >C10-C28*	<10.0	10.0	11/27/2024	ND	209	104	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	11/27/2024	ND					

Surrogate: 1-Chlorooctane 89.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 22 @ 1' (H247235-22)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/30/2024	ND	2.12	106	2.00	5.05		
Toluene*	<0.050	0.050	11/30/2024	ND	2.14	107	2.00	6.63		
Ethylbenzene*	<0.050	0.050	11/30/2024	ND	2.06	103	2.00	7.24		
Total Xylenes*	<0.150	0.150	11/30/2024	ND	6.53	109	6.00	5.92		
Total BTEx	<0.300	0.300	11/30/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/03/2024	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	11/28/2024	ND	198	99.2	200	5.16	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	209	104	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 87.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 23 @ 1' (H247235-23)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/30/2024	ND	2.12	106	2.00	5.05		
Toluene*	<0.050	0.050	11/30/2024	ND	2.14	107	2.00	6.63		
Ethylbenzene*	<0.050	0.050	11/30/2024	ND	2.06	103	2.00	7.24		
Total Xylenes*	<0.150	0.150	11/30/2024	ND	6.53	109	6.00	5.92		
Total BTEx	<0.300	0.300	11/30/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/03/2024	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	11/28/2024	ND	198	99.2	200	5.16	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	209	104	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 90.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.5 % 49.1-148

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

Analytical Results For:

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

Received:	11/26/2024	Sampling Date:	11/21/2024
Reported:	12/04/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #47	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 24 @ 1' (H247235-24)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/30/2024	ND	2.12	106	2.00	5.05		
Toluene*	<0.050	0.050	11/30/2024	ND	2.14	107	2.00	6.63		
Ethylbenzene*	<0.050	0.050	11/30/2024	ND	2.06	103	2.00	7.24		
Total Xylenes*	<0.150	0.150	11/30/2024	ND	6.53	109	6.00	5.92		
Total BTEx	<0.300	0.300	11/30/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/03/2024	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	11/28/2024	ND	198	99.2	200	5.16	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	209	104	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 90.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 25 @ 1' (H247235-25)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/30/2024	ND	2.12	106	2.00	5.05		
Toluene*	<0.050	0.050	11/30/2024	ND	2.14	107	2.00	6.63		
Ethylbenzene*	<0.050	0.050	11/30/2024	ND	2.06	103	2.00	7.24		
Total Xylenes*	<0.150	0.150	11/30/2024	ND	6.53	109	6.00	5.92		
Total BTEX	<0.300	0.300	11/30/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/03/2024	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	11/27/2024	ND	202	101	200	7.78	
DRO >C10-C28*	<10.0	10.0	11/27/2024	ND	197	98.6	200	9.59	
EXT DRO >C28-C36	<10.0	10.0	11/27/2024	ND					

Surrogate: 1-Chlorooctane 89.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 26 @ 1' (H247235-26)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/30/2024	ND	2.12	106	2.00	5.05		
Toluene*	<0.050	0.050	11/30/2024	ND	2.14	107	2.00	6.63		
Ethylbenzene*	<0.050	0.050	11/30/2024	ND	2.06	103	2.00	7.24		
Total Xylenes*	<0.150	0.150	11/30/2024	ND	6.53	109	6.00	5.92		
Total BTEx	<0.300	0.300	11/30/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/03/2024	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	11/27/2024	ND	202	101	200	7.78	
DRO >C10-C28*	<10.0	10.0	11/27/2024	ND	197	98.6	200	9.59	
EXT DRO >C28-C36	<10.0	10.0	11/27/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 27 @ 1' (H247235-27)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/30/2024	ND	2.12	106	2.00	5.05		
Toluene*	<0.050	0.050	11/30/2024	ND	2.14	107	2.00	6.63		
Ethylbenzene*	<0.050	0.050	11/30/2024	ND	2.06	103	2.00	7.24		
Total Xylenes*	<0.150	0.150	11/30/2024	ND	6.53	109	6.00	5.92		
Total BTEx	<0.300	0.300	11/30/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/03/2024	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	11/27/2024	ND	202	101	200	7.78	
DRO >C10-C28*	<10.0	10.0	11/27/2024	ND	197	98.6	200	9.59	
EXT DRO >C28-C36	<10.0	10.0	11/27/2024	ND					

Surrogate: 1-Chlorooctane 98.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 28 @ 1' (H247235-28)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/30/2024	ND	2.12	106	2.00	5.05		
Toluene*	<0.050	0.050	11/30/2024	ND	2.14	107	2.00	6.63		
Ethylbenzene*	<0.050	0.050	11/30/2024	ND	2.06	103	2.00	7.24		
Total Xylenes*	<0.150	0.150	11/30/2024	ND	6.53	109	6.00	5.92		
Total BTEx	<0.300	0.300	11/30/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/03/2024	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	11/27/2024	ND	202	101	200	7.78	
DRO >C10-C28*	<10.0	10.0	11/27/2024	ND	197	98.6	200	9.59	
EXT DRO >C28-C36	<10.0	10.0	11/27/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 29 @ 1' (H247235-29)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/30/2024	ND	2.12	106	2.00	5.05		
Toluene*	<0.050	0.050	11/30/2024	ND	2.14	107	2.00	6.63		
Ethylbenzene*	<0.050	0.050	11/30/2024	ND	2.06	103	2.00	7.24		
Total Xylenes*	<0.150	0.150	11/30/2024	ND	6.53	109	6.00	5.92		
Total BTEx	<0.300	0.300	11/30/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/03/2024	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	11/27/2024	ND	202	101	200	7.78	
DRO >C10-C28*	<10.0	10.0	11/27/2024	ND	197	98.6	200	9.59	
EXT DRO >C28-C36	<10.0	10.0	11/27/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 30 @ 1' (H247235-30)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/30/2024	ND	2.12	106	2.00	5.05		
Toluene*	<0.050	0.050	11/30/2024	ND	2.14	107	2.00	6.63		
Ethylbenzene*	<0.050	0.050	11/30/2024	ND	2.06	103	2.00	7.24		
Total Xylenes*	<0.150	0.150	11/30/2024	ND	6.53	109	6.00	5.92		
Total BTEx	<0.300	0.300	11/30/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/03/2024	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	11/27/2024	ND	202	101	200	7.78	
DRO >C10-C28*	<10.0	10.0	11/27/2024	ND	197	98.6	200	9.59	
EXT DRO >C28-C36	<10.0	10.0	11/27/2024	ND					

Surrogate: 1-Chlorooctane 99.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 31 @ 1' (H247235-31)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/30/2024	ND	2.12	106	2.00	5.05		
Toluene*	<0.050	0.050	11/30/2024	ND	2.14	107	2.00	6.63		
Ethylbenzene*	<0.050	0.050	11/30/2024	ND	2.06	103	2.00	7.24		
Total Xylenes*	<0.150	0.150	11/30/2024	ND	6.53	109	6.00	5.92		
Total BTEx	<0.300	0.300	11/30/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/03/2024	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	11/28/2024	ND	202	101	200	7.78	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	197	98.6	200	9.59	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.3 % 49.1-148

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Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 32 @ 1' (H247235-32)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/30/2024	ND	2.12	106	2.00	5.05		
Toluene*	<0.050	0.050	11/30/2024	ND	2.14	107	2.00	6.63		
Ethylbenzene*	<0.050	0.050	11/30/2024	ND	2.06	103	2.00	7.24		
Total Xylenes*	<0.150	0.150	11/30/2024	ND	6.53	109	6.00	5.92		
Total BTEX	<0.300	0.300	11/30/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/03/2024	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	11/28/2024	ND	202	101	200	7.78	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	197	98.6	200	9.59	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.2 % 49.1-148

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

Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 33 @ 1' (H247235-33)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/30/2024	ND	2.12	106	2.00	5.05		
Toluene*	<0.050	0.050	11/30/2024	ND	2.14	107	2.00	6.63		
Ethylbenzene*	<0.050	0.050	11/30/2024	ND	2.06	103	2.00	7.24		
Total Xylenes*	<0.150	0.150	11/30/2024	ND	6.53	109	6.00	5.92		
Total BTEx	<0.300	0.300	11/30/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/03/2024	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	11/28/2024	ND	202	101	200	7.78	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	197	98.6	200	9.59	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 34 @ 1' (H247235-34)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/30/2024	ND	2.12	106	2.00	5.05		
Toluene*	<0.050	0.050	11/30/2024	ND	2.14	107	2.00	6.63		
Ethylbenzene*	<0.050	0.050	11/30/2024	ND	2.06	103	2.00	7.24		
Total Xylenes*	<0.150	0.150	11/30/2024	ND	6.53	109	6.00	5.92		
Total BTEx	<0.300	0.300	11/30/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/03/2024	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	11/28/2024	ND	202	101	200	7.78	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	197	98.6	200	9.59	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 98.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 35 @ 1' (H247235-35)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/30/2024	ND	2.12	106	2.00	5.05		
Toluene*	<0.050	0.050	11/30/2024	ND	2.14	107	2.00	6.63		
Ethylbenzene*	<0.050	0.050	11/30/2024	ND	2.06	103	2.00	7.24		
Total Xylenes*	<0.150	0.150	11/30/2024	ND	6.53	109	6.00	5.92		
Total BTEx	<0.300	0.300	11/30/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/03/2024	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	11/28/2024	ND	202	101	200	7.78	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	197	98.6	200	9.59	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 89.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/26/2024	Sampling Date:	11/21/2024
Reported:	12/04/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #47	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 36 @ 1' (H247235-36)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/30/2024	ND	2.12	106	2.00	5.05		
Toluene*	<0.050	0.050	11/30/2024	ND	2.14	107	2.00	6.63		
Ethylbenzene*	<0.050	0.050	11/30/2024	ND	2.06	103	2.00	7.24		
Total Xylenes*	<0.150	0.150	11/30/2024	ND	6.53	109	6.00	5.92		
Total BTEx	<0.300	0.300	11/30/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/03/2024	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	11/28/2024	ND	202	101	200	7.78	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	197	98.6	200	9.59	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 97.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 37 @ 1' (H247235-37)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/29/2024	ND	2.07	104	2.00	2.07	
Toluene*	<0.050	0.050	11/29/2024	ND	2.11	105	2.00	2.17	
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.09	105	2.00	2.35	
Total Xylenes*	<0.150	0.150	11/29/2024	ND	6.20	103	6.00	1.87	
Total BTEx	<0.300	0.300	11/29/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/02/2024	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	11/28/2024	ND	202	101	200	7.78	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	197	98.6	200	9.59	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 38 @ 1' (H247235-38)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/29/2024	ND	2.07	104	2.00	2.07	
Toluene*	<0.050	0.050	11/29/2024	ND	2.11	105	2.00	2.17	
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.09	105	2.00	2.35	
Total Xylenes*	<0.150	0.150	11/29/2024	ND	6.20	103	6.00	1.87	
Total BTEx	<0.300	0.300	11/29/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/02/2024	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	11/28/2024	ND	202	101	200	7.78	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	197	98.6	200	9.59	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 39 @ 1' (H247235-39)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/29/2024	ND	2.07	104	2.00	2.07		
Toluene*	<0.050	0.050	11/29/2024	ND	2.11	105	2.00	2.17		
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.09	105	2.00	2.35		
Total Xylenes*	<0.150	0.150	11/29/2024	ND	6.20	103	6.00	1.87		
Total BTEx	<0.300	0.300	11/29/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/02/2024	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	11/28/2024	ND	202	101	200	7.78	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	197	98.6	200	9.59	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 40 @ 1' (H247235-40)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/29/2024	ND	2.07	104	2.00	2.07	
Toluene*	<0.050	0.050	11/29/2024	ND	2.11	105	2.00	2.17	
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.09	105	2.00	2.35	
Total Xylenes*	<0.150	0.150	11/29/2024	ND	6.20	103	6.00	1.87	
Total BTEx	<0.300	0.300	11/29/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/02/2024	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	11/28/2024	ND	202	101	200	7.78	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	197	98.6	200	9.59	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 99.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.5 % 49.1-148

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Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 41 @ 1' (H247235-41)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/29/2024	ND	2.07	104	2.00	2.07		
Toluene*	<0.050	0.050	11/29/2024	ND	2.11	105	2.00	2.17		
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.09	105	2.00	2.35		
Total Xylenes*	<0.150	0.150	11/29/2024	ND	6.20	103	6.00	1.87		
Total BTX	<0.300	0.300	11/29/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/02/2024	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	11/28/2024	ND	202	101	200	7.78	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	197	98.6	200	9.59	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.8 % 49.1-148

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Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 42 @ 1' (H247235-42)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/29/2024	ND	2.07	104	2.00	2.07		
Toluene*	<0.050	0.050	11/29/2024	ND	2.11	105	2.00	2.17		
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.09	105	2.00	2.35		
Total Xylenes*	<0.150	0.150	11/29/2024	ND	6.20	103	6.00	1.87		
Total BTEx	<0.300	0.300	11/29/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/02/2024	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	11/28/2024	ND	202	101	200	7.78	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	197	98.6	200	9.59	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 43 @ 1' (H247235-43)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/29/2024	ND	2.07	104	2.00	2.07		
Toluene*	<0.050	0.050	11/29/2024	ND	2.11	105	2.00	2.17		
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.09	105	2.00	2.35		
Total Xylenes*	<0.150	0.150	11/29/2024	ND	6.20	103	6.00	1.87		
Total BTEx	<0.300	0.300	11/29/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/02/2024	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	11/28/2024	ND	202	101	200	7.78	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	197	98.6	200	9.59	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 44 @ 1' (H247235-44)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/29/2024	ND	2.07	104	2.00	2.07		
Toluene*	<0.050	0.050	11/29/2024	ND	2.11	105	2.00	2.17		
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.09	105	2.00	2.35		
Total Xylenes*	<0.150	0.150	11/29/2024	ND	6.20	103	6.00	1.87		
Total BTEX	<0.300	0.300	11/29/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/02/2024	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	11/28/2024	ND	202	101	200	7.78	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	197	98.6	200	9.59	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 88.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 45 @ 1' (H247235-45)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/29/2024	ND	2.07	104	2.00	2.07		
Toluene*	<0.050	0.050	11/29/2024	ND	2.11	105	2.00	2.17		
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.09	105	2.00	2.35		
Total Xylenes*	<0.150	0.150	11/29/2024	ND	6.20	103	6.00	1.87		
Total BTX	<0.300	0.300	11/29/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/02/2024	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	11/27/2024	ND	194	97.0	200	2.86	
DRO >C10-C28*	<10.0	10.0	11/27/2024	ND	193	96.3	200	5.22	
EXT DRO >C28-C36	<10.0	10.0	11/27/2024	ND					

Surrogate: 1-Chlorooctane 71.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.6 % 49.1-148

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Analytical Results For:

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Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 46 @ 2' (H247235-46)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/29/2024	ND	2.07	104	2.00	2.07	
Toluene*	<0.050	0.050	11/29/2024	ND	2.11	105	2.00	2.17	
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.09	105	2.00	2.35	
Total Xylenes*	<0.150	0.150	11/29/2024	ND	6.20	103	6.00	1.87	
Total BTEx	<0.300	0.300	11/29/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/02/2024	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	11/27/2024	ND	194	97.0	200	2.86	
DRO >C10-C28*	<10.0	10.0	11/27/2024	ND	193	96.3	200	5.22	
EXT DRO >C28-C36	<10.0	10.0	11/27/2024	ND					

Surrogate: 1-Chlorooctane 75.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.5 % 49.1-148

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Analytical Results For:

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Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 47 @ 2' (H247235-47)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/29/2024	ND	2.07	104	2.00	2.07		
Toluene*	<0.050	0.050	11/29/2024	ND	2.11	105	2.00	2.17		
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.09	105	2.00	2.35		
Total Xylenes*	<0.150	0.150	11/29/2024	ND	6.20	103	6.00	1.87		
Total BTX	<0.300	0.300	11/29/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/02/2024	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	11/27/2024	ND	194	97.0	200	2.86	
DRO >C10-C28*	<10.0	10.0	11/27/2024	ND	193	96.3	200	5.22	
EXT DRO >C28-C36	<10.0	10.0	11/27/2024	ND					

Surrogate: 1-Chlorooctane 71.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 48 @ 2' (H247235-48)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/29/2024	ND	2.07	104	2.00	2.07		
Toluene*	<0.050	0.050	11/29/2024	ND	2.11	105	2.00	2.17		
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.09	105	2.00	2.35		
Total Xylenes*	<0.150	0.150	11/29/2024	ND	6.20	103	6.00	1.87		
Total BTEx	<0.300	0.300	11/29/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/02/2024	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	11/27/2024	ND	194	97.0	200	2.86	
DRO >C10-C28*	<10.0	10.0	11/27/2024	ND	193	96.3	200	5.22	
EXT DRO >C28-C36	<10.0	10.0	11/27/2024	ND					

Surrogate: 1-Chlorooctane 79.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.1 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 49 @ 2' (H247235-49)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/29/2024	ND	2.07	104	2.00	2.07	
Toluene*	<0.050	0.050	11/29/2024	ND	2.11	105	2.00	2.17	
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.09	105	2.00	2.35	
Total Xylenes*	<0.150	0.150	11/29/2024	ND	6.20	103	6.00	1.87	
Total BTX	<0.300	0.300	11/29/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/02/2024	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	11/27/2024	ND	194	97.0	200	2.86	
DRO >C10-C28*	<10.0	10.0	11/27/2024	ND	193	96.3	200	5.22	
EXT DRO >C28-C36	<10.0	10.0	11/27/2024	ND					

Surrogate: 1-Chlorooctane 81.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.8 % 49.1-148

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Analytical Results For:

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Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 50 @ 2' (H247235-50)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/29/2024	ND	2.07	104	2.00	2.07		
Toluene*	<0.050	0.050	11/29/2024	ND	2.11	105	2.00	2.17		
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.09	105	2.00	2.35		
Total Xylenes*	<0.150	0.150	11/29/2024	ND	6.20	103	6.00	1.87		
Total BTEx	<0.300	0.300	11/29/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/02/2024	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	11/28/2024	ND	194	97.0	200	2.86	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	193	96.3	200	5.22	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 72.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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 Fax To: (575) 397-0397

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 51 @ 2' (H247235-51)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/29/2024	ND	2.07	104	2.00	2.07	
Toluene*	<0.050	0.050	11/29/2024	ND	2.11	105	2.00	2.17	
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.09	105	2.00	2.35	
Total Xylenes*	<0.150	0.150	11/29/2024	ND	6.20	103	6.00	1.87	
Total BTEX	<0.300	0.300	11/29/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/02/2024	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	11/28/2024	ND	194	97.0	200	2.86	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	193	96.3	200	5.22	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 77.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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 Fax To: (575) 397-0397

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 52 @ 2' (H247235-52)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/29/2024	ND	2.07	104	2.00	2.07		
Toluene*	<0.050	0.050	11/29/2024	ND	2.11	105	2.00	2.17		
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.09	105	2.00	2.35		
Total Xylenes*	<0.150	0.150	11/29/2024	ND	6.20	103	6.00	1.87		
Total BTEx	<0.300	0.300	11/29/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/02/2024	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	11/28/2024	ND	194	97.0	200	2.86	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	193	96.3	200	5.22	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 74.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 53 @ 2' (H247235-53)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/29/2024	ND	2.07	104	2.00	2.07		
Toluene*	<0.050	0.050	11/29/2024	ND	2.11	105	2.00	2.17		
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.09	105	2.00	2.35		
Total Xylenes*	<0.150	0.150	11/29/2024	ND	6.20	103	6.00	1.87		
Total BTEx	<0.300	0.300	11/29/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/02/2024	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	11/28/2024	ND	194	97.0	200	2.86	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	193	96.3	200	5.22	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 81.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 54 @ 2' (H247235-54)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/29/2024	ND	2.07	104	2.00	2.07		
Toluene*	<0.050	0.050	11/29/2024	ND	2.11	105	2.00	2.17		
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.09	105	2.00	2.35		
Total Xylenes*	<0.150	0.150	11/29/2024	ND	6.20	103	6.00	1.87		
Total BTX	<0.300	0.300	11/29/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/02/2024	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	11/28/2024	ND	194	97.0	200	2.86	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	193	96.3	200	5.22	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 82.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.7 % 49.1-148

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Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 55 @ 2' (H247235-55)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/29/2024	ND	2.07	104	2.00	2.07	
Toluene*	<0.050	0.050	11/29/2024	ND	2.11	105	2.00	2.17	
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.09	105	2.00	2.35	
Total Xylenes*	<0.150	0.150	11/29/2024	ND	6.20	103	6.00	1.87	
Total BTEx	<0.300	0.300	11/29/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/02/2024	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	11/28/2024	ND	194	97.0	200	2.86	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	193	96.3	200	5.22	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 75.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 56 @ 2' (H247235-56)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/29/2024	ND	2.07	104	2.00	2.07		
Toluene*	<0.050	0.050	11/29/2024	ND	2.11	105	2.00	2.17		
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.09	105	2.00	2.35		
Total Xylenes*	<0.150	0.150	11/29/2024	ND	6.20	103	6.00	1.87		
Total BTEx	<0.300	0.300	11/29/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/02/2024	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	11/28/2024	ND	194	97.0	200	2.86	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	193	96.3	200	5.22	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 76.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.9 % 49.1-148

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Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 57 @ 2' (H247235-57)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/29/2024	ND	2.10	105	2.00	2.12		
Toluene*	<0.050	0.050	11/29/2024	ND	2.16	108	2.00	2.23		
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.16	108	2.00	1.90		
Total Xylenes*	<0.150	0.150	11/29/2024	ND	6.41	107	6.00	2.09		
Total BTX	<0.300	0.300	11/29/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/03/2024	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	11/28/2024	ND	194	97.0	200	2.86	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	193	96.3	200	5.22	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 80.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/26/2024	Sampling Date:	11/22/2024
Reported:	12/04/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #47	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 58 @ 2' (H247235-58)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/29/2024	ND	2.10	105	2.00	2.12		
Toluene*	<0.050	0.050	11/29/2024	ND	2.16	108	2.00	2.23		
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.16	108	2.00	1.90		
Total Xylenes*	<0.150	0.150	11/29/2024	ND	6.41	107	6.00	2.09		
Total BTEx	<0.300	0.300	11/29/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/03/2024	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	11/28/2024	ND	194	97.0	200	2.86	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	193	96.3	200	5.22	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 81.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 59 @ 2' (H247235-59)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/29/2024	ND	2.10	105	2.00	2.12		
Toluene*	<0.050	0.050	11/29/2024	ND	2.16	108	2.00	2.23		
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.16	108	2.00	1.90		
Total Xylenes*	<0.150	0.150	11/29/2024	ND	6.41	107	6.00	2.09		
Total BTEX	<0.300	0.300	11/29/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/03/2024	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	11/28/2024	ND	194	97.0	200	2.86	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	193	96.3	200	5.22	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 80.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 60 @ 2' (H247235-60)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/29/2024	ND	2.10	105	2.00	2.12		
Toluene*	<0.050	0.050	11/29/2024	ND	2.16	108	2.00	2.23		
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.16	108	2.00	1.90		
Total Xylenes*	<0.150	0.150	11/29/2024	ND	6.41	107	6.00	2.09		
Total BTEX	<0.300	0.300	11/29/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/03/2024	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	11/28/2024	ND	194	97.0	200	2.86	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	193	96.3	200	5.22	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 83.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.4 % 49.1-148

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Notes and Definitions

S-05	The surrogate recovery is outside of lab established statistical control limits but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 63 of 68



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.		BILL TO		ANALYSIS REQUEST																			
Project Manager: Cliff Brunson		P.O. #:																					
Address: P.O. Box 805		Company: Oxy																					
City: Hobbs		Attn:																					
Phone #: 575-397-6388		Address:																					
Project #:		City:																					
Project Name: Twin Lakes SA unit # 047		State: NM		Zip: 88241																			
Project Location: New Mexico		Phone #:																					
Sample Name: Roger Hernandez		Fax #:																					
<small>FOR LAB USE ONLY</small>		PREPARED BY		SAMPLING																			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME		TPH		BTEX		CL-	
11247385	Bottom 11 @ 1'	C 1		1		✓		✓		✓		✓		11.21.24		9:40		✓		✓		✓	
12	12 @ 1'	C 1		1		✓		✓		✓		✓		11.21.24		9:50		✓		✓		✓	
13	13 @ 1'	C 1		1		✓		✓		✓		✓		11.21.24		10:00		✓		✓		✓	
14	14 @ 1'	C 1		1		✓		✓		✓		✓		11.21.24		10:10		✓		✓		✓	
15	15 @ 1'	C 1		1		✓		✓		✓		✓		11.21.24		10:20		✓		✓		✓	
16	16 @ 1'	C 1		1		✓		✓		✓		✓		11.21.24		10:30		✓		✓		✓	
17	17 @ 1'	C 1		1		✓		✓		✓		✓		11.21.24		10:40		✓		✓		✓	
18	18 @ 1'	C 1		1		✓		✓		✓		✓		11.21.24		10:50		✓		✓		✓	
19	19 @ 1'	C 1		1		✓		✓		✓		✓		11.21.24		11:00		✓		✓		✓	
20	20 @ 1'	C 1		1		✓		✓		✓		✓		11.21.24		11:10		✓		✓		✓	
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Relinquished By: Roger Hernandez		Date:		Received By: [Signature]		Date:		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:		REMARKS:											
Relinquished By: [Signature]		Time:		Received By: [Signature]		Time:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:													
Delivered By: (Circle One) <input checked="" type="radio"/> UPS <input type="radio"/> Bus <input type="radio"/> Other		Date: 11-21-24		Time: 6:40		Sample Condition: <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Cool <input type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: [Signature]		(Initials)													

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.		BILL TO		ANALYSIS REQUEST																	
Project Manager: Cliff Brunson		P.O. #:																			
Address: P.O. Box 805		Company: Oxy																			
City: Hobbs		Attn:																			
State: NM Zip: 88241		Address:																			
Phone #: 575-397-6388 Fax #: 575-397-0397		City:																			
Project #:		State:																			
Project Name: Twin Lakes SA unit # 047		Zip:																			
Project Location: New Mexico		Phone #:																			
Sample Name: Roger Hernandez		Fax #:																			
<small>FOR LAB USE ONLY</small>		FOR LAB USE ONLY																			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV		SAMPLING											
						GROUNDWATER															
						WASTEWATER															
						SOIL															
						OIL															
						SLUDGE															
						OTHER :															
						ACID/BASE:															
						ICE / COOL															
						OTHER :															
						DATE		TIME													
#241235	Bottom 210 1-	C		1		11.21.24		11.20				TPH									
21	220 1-	C		1		11.21.24		11.30				BTX									
22	230 1-	C		1		11.21.24		11.40				CL -									
23	240 1-	C		1		11.21.24		11.50													
24	250 1-	C		1		11.21.24		12.00													
25	260 1-	C		1		11.21.24		12.10													
26	270 1-	C		1		11.21.24		12.20													
27	280 1-	C		1		11.21.24		12.30													
28	290 1-	C		1		11.21.24		12.40													
29	300 1-	C		1		11.21.24		12.50													
30																					

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Relinquished By: Roger Hernandez	Date:	Received By: [Signature]	Date:
Relinquished By: [Signature]	Date: 11.26.24	Received By: [Signature]	Date:
Delivered By: (Circle One) CF-0.6i #140	Sample Condition <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Cool <input type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: [Signature]	(Initials)
Sampler - UPS - Bus - Other: -6.3i / -6.8i	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:	
	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:	
REMARKS:			

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.				BILL TO				ANALYSIS REQUEST							
Project Manager: Cliff Brunson				P.O. #:											
Address: P.O. Box 805				Company: Oxy											
City: Hobbs				Attn:											
Phone #: 575-397-6388				Address:											
State: NM Zip: 88241				City:											
Fax #: 575-397-0397				State:											
Project #:				Zip:											
Project Name: Twin Lakes SA Unit #047				Phone #:											
Project Location: New Mexico				Fax #:											
Sampler Name: Roger Hernandez				FOR LAB USE ONLY											
				FOR LAB USE ONLY											
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV		SAMPLING			
H24735		Bottom		C		1		GROUNDWATER		✓		11-21-24		100	
31		31 @ 1'		C		1		WASTEWATER		✓		11-21-24		110	
32		32 @ 1'		C		1		SOIL		✓		11-21-24		120	
33		33 @ 1'		C		1		OIL		✓		11-21-24		130	
34		34 @ 1'		C		1		SLUDGE		✓		11-21-24		140	
35		35 @ 1'		C		1		OTHER :		✓		11-21-24		150	
36		36 @ 1'		C		1		ACID/BASE:		✓		11-21-24		200	
37		37 @ 1'		C		1		ICE / COOL		✓		11-21-24		210	
38		38 @ 1'		C		1		OTHER :		✓		11-21-24		220	
39		39 @ 1'		C		1				✓		11-21-24		800	
40		Bottom 40 @ 1'		C		1				✓					
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Relinquished By: Roger Hernandez				Date:				Received By: [Signature]				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:			
				Time:								Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:			
Relinquished By: [Signature]				Date: 11-26-24				Received By: [Signature]							
				Time:											
Delivered By: (Circle One) CF-0.6: #1700				Sample Condition: <input type="checkbox"/> Cool <input type="checkbox"/> Intact				CHECKED BY: [Signature]							
Sampler - UPS - Bus - Other: -6, 3c, 1-6, 8i				Sample Condition: <input type="checkbox"/> Yes <input type="checkbox"/> No											
				Checked By: [Signature]											

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.				P.O. #:		
Project Manager: Cliff Brunson				Company: Oxy		
Address: P.O. Box 805				Attn:		
City: Hobbs				State: NM Zip: 88241		
Phone #: 575-397-6388				Fax #: 575-397-0397		
Project #:				Project Owner: Oxy		
Project Name:				City:		
Project Location: New Mexico				State: Zip:		
Sample Name: Roger Hernandez				Phone #:		
FOR LAB USE ONLY				Fax #:		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING
				GROUNDWATER		
				WASTEWATER		
				SOIL		
				OIL		
				SLUDGE		
				OTHER :		
				ACID/BASE:		
				ICE / COOL		
				OTHER :		
				DATE	TIME	
H247335	Bottom 41 @ 1'	C		V	11.22.24 8:10	✓
41	Bottom 42 @ 1'	C		V	11.22.24 8:20	✓
42	43 @ 1'	C		V	11.22.24 8:30	✓
43	44 @ 1'	C		V	11.22.24 8:40	✓
44	45 @ 1'	C		V	11.22.24 8:50	✓
45	Bottom 46 @ 2'	C		V	11.22.24 9:00	✓
46	47 @ 2'	C		V	11.22.24 9:10	✓
47	48 @ 2'	C		V	11.22.24 9:20	✓
48	49 @ 2'	C		V	11.22.24 9:30	✓
49	50 @ 2'	C		V	11.22.24 9:40	✓
50						

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Relinquished By: _____ **Date:** _____ **Received By:** _____ **Date:** _____

Relinquished By: Roger Hernandez **Date:** 11-26-24 **Received By:** _____ **Date:** _____

Delivered By: (Circle One) **Time:** 0910 **Sample Condition:** Cool ☒ Intact ☐ Yes ☐ No **CHECKED BY:** (Initials) _____

Sampler - UPS - Bus - Other: _____ **REMARKS:** _____

TPH **BTEX** **CL**



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.
Project Manager: Cliff Brunson
Address: P.O. Box 805
City: Hobbs
Phone #: 575-397-6388
Project #:
Project Name:
Project Location: New Mexico

State: NM **Zip:** 88241
Attn:
Address:
City:
State:
Zip:
Phone #:
Fax #:

Sample Name: *Paye Alexander*
Lab I.D. *A247235*
Sample I.D.

P.O. #:
Company: Oxy
Address:
City:
State:
Zip:
Phone #:
Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	DATE	TIME	TPH	BTX	CL
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :							
<i>51</i>	<i>Bottom</i>	<i>2-</i>	<i>1</i>	<input checked="" type="checkbox"/>								<i>11.22.24</i>	<i>9:50</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<i>52</i>	<i>2-</i>	<i>1</i>	<i>1</i>	<input checked="" type="checkbox"/>								<i>11.22.24</i>	<i>10:00</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<i>53</i>	<i>2-</i>	<i>1</i>	<i>1</i>	<input checked="" type="checkbox"/>								<i>11.22.24</i>	<i>10:10</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<i>54</i>	<i>2-</i>	<i>1</i>	<i>1</i>	<input checked="" type="checkbox"/>								<i>11.22.24</i>	<i>10:20</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<i>55</i>	<i>2-</i>	<i>1</i>	<i>1</i>	<input checked="" type="checkbox"/>								<i>11.22.24</i>	<i>10:30</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<i>56</i>	<i>2-</i>	<i>1</i>	<i>1</i>	<input checked="" type="checkbox"/>								<i>11.22.24</i>	<i>10:40</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<i>57</i>	<i>2-</i>	<i>1</i>	<i>1</i>	<input checked="" type="checkbox"/>								<i>11.22.24</i>	<i>10:50</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<i>58</i>	<i>2-</i>	<i>1</i>	<i>1</i>	<input checked="" type="checkbox"/>								<i>11.22.24</i>	<i>11:00</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<i>59</i>	<i>2-</i>	<i>1</i>	<i>1</i>	<input checked="" type="checkbox"/>								<i>11.22.24</i>	<i>11:10</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<i>60</i>	<i>2-</i>	<i>1</i>	<i>1</i>	<input checked="" type="checkbox"/>								<i>11.22.24</i>	<i>11:20</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Relinquished By: *Paye Alexander* **Date:** *11-26-24* **Received By:** *Paye Alexander* **Date:** *11-26-24*

Delivered By: *Paye Alexander* **Sample Condition:** ☒ Intact ☐ Damaged **Checked By:** *Paye Alexander* **Initials:** *PA*

Sampler - UPS - Bus - Other: *UPS*

Phone Result: ☐ Yes ☐ No **Add'l Phone #:**

Fax Result: ☐ Yes ☐ No **Add'l Fax #:**

REMARKS:



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

December 04, 2024

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: TWIN LAKES SA UNIT #47

Enclosed are the results of analyses for samples received by the laboratory on 11/26/24 9:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 61 @ 2' (H247236-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2024	ND	2.10	105	2.00	2.12	
Toluene*	<0.050	0.050	11/30/2024	ND	2.16	108	2.00	2.23	
Ethylbenzene*	<0.050	0.050	11/30/2024	ND	2.16	108	2.00	1.90	
Total Xylenes*	<0.150	0.150	11/30/2024	ND	6.41	107	6.00	2.09	
Total BTEX	<0.300	0.300	11/30/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/03/2024	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	11/28/2024	ND	194	97.0	200	2.86	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	193	96.3	200	5.22	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 77.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 62 @ 2' (H247236-02)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2024	ND	2.10	105	2.00	2.12	
Toluene*	<0.050	0.050	11/30/2024	ND	2.16	108	2.00	2.23	
Ethylbenzene*	<0.050	0.050	11/30/2024	ND	2.16	108	2.00	1.90	
Total Xylenes*	<0.150	0.150	11/30/2024	ND	6.41	107	6.00	2.09	
Total BTX	<0.300	0.300	11/30/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/03/2024	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	11/28/2024	ND	194	97.0	200	2.86	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	193	96.3	200	5.22	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 77.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 63 @ 2' (H247236-03)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2024	ND	2.10	105	2.00	2.12	
Toluene*	<0.050	0.050	11/30/2024	ND	2.16	108	2.00	2.23	
Ethylbenzene*	<0.050	0.050	11/30/2024	ND	2.16	108	2.00	1.90	
Total Xylenes*	<0.150	0.150	11/30/2024	ND	6.41	107	6.00	2.09	
Total BTX	<0.300	0.300	11/30/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/03/2024	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	11/28/2024	ND	194	97.0	200	2.86	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	193	96.3	200	5.22	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 81.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/26/2024	Sampling Date:	11/22/2024
Reported:	12/04/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #47	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 64 @ 2' (H247236-04)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2024	ND	2.10	105	2.00	2.12	
Toluene*	<0.050	0.050	11/30/2024	ND	2.16	108	2.00	2.23	
Ethylbenzene*	<0.050	0.050	11/30/2024	ND	2.16	108	2.00	1.90	
Total Xylenes*	<0.150	0.150	11/30/2024	ND	6.41	107	6.00	2.09	
Total BTX	<0.300	0.300	11/30/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/03/2024	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	11/28/2024	ND	194	97.0	200	2.86	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	193	96.3	200	5.22	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 82.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 65 @ 2' (H247236-05)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/30/2024	ND	2.10	105	2.00	2.12		
Toluene*	<0.050	0.050	11/30/2024	ND	2.16	108	2.00	2.23		
Ethylbenzene*	<0.050	0.050	11/30/2024	ND	2.16	108	2.00	1.90		
Total Xylenes*	<0.150	0.150	11/30/2024	ND	6.41	107	6.00	2.09		
Total BTX	<0.300	0.300	11/30/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/03/2024	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	11/28/2024	ND	212	106	200	2.51	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	196	97.8	200	3.75	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 84.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 66 @ 2' (H247236-06)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/30/2024	ND	2.10	105	2.00	2.12		
Toluene*	<0.050	0.050	11/30/2024	ND	2.16	108	2.00	2.23		
Ethylbenzene*	<0.050	0.050	11/30/2024	ND	2.16	108	2.00	1.90		
Total Xylenes*	<0.150	0.150	11/30/2024	ND	6.41	107	6.00	2.09		
Total BTX	<0.300	0.300	11/30/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/03/2024	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	11/28/2024	ND	212	106	200	2.51	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	196	97.8	200	3.75	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 80.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 67 @ 2' (H247236-07)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/30/2024	ND	2.10	105	2.00	2.12		
Toluene*	<0.050	0.050	11/30/2024	ND	2.16	108	2.00	2.23		
Ethylbenzene*	<0.050	0.050	11/30/2024	ND	2.16	108	2.00	1.90		
Total Xylenes*	<0.150	0.150	11/30/2024	ND	6.41	107	6.00	2.09		
Total BTX	<0.300	0.300	11/30/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/03/2024	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	11/28/2024	ND	212	106	200	2.51	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	196	97.8	200	3.75	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 85.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 68 @ 2' (H247236-08)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/30/2024	ND	2.10	105	2.00	2.12		
Toluene*	<0.050	0.050	11/30/2024	ND	2.16	108	2.00	2.23		
Ethylbenzene*	<0.050	0.050	11/30/2024	ND	2.16	108	2.00	1.90		
Total Xylenes*	<0.150	0.150	11/30/2024	ND	6.41	107	6.00	2.09		
Total BTX	<0.300	0.300	11/30/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/03/2024	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	11/28/2024	ND	212	106	200	2.51	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	196	97.8	200	3.75	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 87.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.7 % 49.1-148

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Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 69 @ 2' (H247236-09)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/30/2024	ND	2.10	105	2.00	2.12		
Toluene*	<0.050	0.050	11/30/2024	ND	2.16	108	2.00	2.23		
Ethylbenzene*	<0.050	0.050	11/30/2024	ND	2.16	108	2.00	1.90		
Total Xylenes*	<0.150	0.150	11/30/2024	ND	6.41	107	6.00	2.09		
Total BTX	<0.300	0.300	11/30/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/03/2024	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	11/28/2024	ND	212	106	200	2.51	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	196	97.8	200	3.75	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 86.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 70 @ 2' (H247236-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/30/2024	ND	2.10	105	2.00	2.12		
Toluene*	<0.050	0.050	11/30/2024	ND	2.16	108	2.00	2.23		
Ethylbenzene*	<0.050	0.050	11/30/2024	ND	2.16	108	2.00	1.90		
Total Xylenes*	<0.150	0.150	11/30/2024	ND	6.41	107	6.00	2.09		
Total BTEX	<0.300	0.300	11/30/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/03/2024	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	11/28/2024	ND	212	106	200	2.51	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	196	97.8	200	3.75	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 88.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 71 @ 2' (H247236-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/30/2024	ND	2.10	105	2.00	2.12		
Toluene*	<0.050	0.050	11/30/2024	ND	2.16	108	2.00	2.23		
Ethylbenzene*	<0.050	0.050	11/30/2024	ND	2.16	108	2.00	1.90		
Total Xylenes*	<0.150	0.150	11/30/2024	ND	6.41	107	6.00	2.09		
Total BTEx	<0.300	0.300	11/30/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/03/2024	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	11/28/2024	ND	212	106	200	2.51	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	196	97.8	200	3.75	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 85.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 72 @ 2' (H247236-12)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/30/2024	ND	2.10	105	2.00	2.12		
Toluene*	<0.050	0.050	11/30/2024	ND	2.16	108	2.00	2.23		
Ethylbenzene*	<0.050	0.050	11/30/2024	ND	2.16	108	2.00	1.90		
Total Xylenes*	<0.150	0.150	11/30/2024	ND	6.41	107	6.00	2.09		
Total BTX	<0.300	0.300	11/30/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/03/2024	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	11/28/2024	ND	212	106	200	2.51	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	196	97.8	200	3.75	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 91.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.5 % 49.1-148

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Analytical Results For:

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 Cliff Brunson
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 Fax To: (575) 397-0397

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 73 @ 2' (H247236-13)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/30/2024	ND	2.10	105	2.00	2.12		
Toluene*	<0.050	0.050	11/30/2024	ND	2.16	108	2.00	2.23		
Ethylbenzene*	<0.050	0.050	11/30/2024	ND	2.16	108	2.00	1.90		
Total Xylenes*	<0.150	0.150	11/30/2024	ND	6.41	107	6.00	2.09		
Total BTX	<0.300	0.300	11/30/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/03/2024	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	11/28/2024	ND	212	106	200	2.51	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	196	97.8	200	3.75	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 87.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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 Cliff Brunson
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 Fax To: (575) 397-0397

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 74 @ 2' (H247236-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/30/2024	ND	2.10	105	2.00	2.12		
Toluene*	<0.050	0.050	11/30/2024	ND	2.16	108	2.00	2.23		
Ethylbenzene*	<0.050	0.050	11/30/2024	ND	2.16	108	2.00	1.90		
Total Xylenes*	<0.150	0.150	11/30/2024	ND	6.41	107	6.00	2.09		
Total BTEX	<0.300	0.300	11/30/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/03/2024	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	11/28/2024	ND	212	106	200	2.51	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	196	97.8	200	3.75	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 90.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 75 @ 2' (H247236-15)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/30/2024	ND	2.10	105	2.00	2.12		
Toluene*	<0.050	0.050	11/30/2024	ND	2.16	108	2.00	2.23		
Ethylbenzene*	<0.050	0.050	11/30/2024	ND	2.16	108	2.00	1.90		
Total Xylenes*	<0.150	0.150	11/30/2024	ND	6.41	107	6.00	2.09		
Total BTEx	<0.300	0.300	11/30/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/03/2024	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	11/28/2024	ND	212	106	200	2.51	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	196	97.8	200	3.75	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 76.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.1 % 49.1-148

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Analytical Results For:

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Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 76 @ 2' (H247236-16)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/30/2024	ND	2.10	105	2.00	2.12		
Toluene*	<0.050	0.050	11/30/2024	ND	2.16	108	2.00	2.23		
Ethylbenzene*	<0.050	0.050	11/30/2024	ND	2.16	108	2.00	1.90		
Total Xylenes*	<0.150	0.150	11/30/2024	ND	6.41	107	6.00	2.09		
Total BTX	<0.300	0.300	11/30/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/03/2024	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	11/28/2024	ND	212	106	200	2.51	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	196	97.8	200	3.75	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 82.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
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Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 77 @ 2' (H247236-17)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/29/2024	ND	2.13	106	2.00	5.04		
Toluene*	<0.050	0.050	11/29/2024	ND	2.01	100	2.00	5.61		
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.00	100	2.00	5.37		
Total Xylenes*	<0.150	0.150	11/29/2024	ND	5.94	99.0	6.00	5.68		
Total BTEX	<0.300	0.300	11/29/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/02/2024	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	11/28/2024	ND	212	106	200	2.51	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	196	97.8	200	3.75	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 86.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 78 @ 3' (H247236-18)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/29/2024	ND	2.13	106	2.00	5.04	
Toluene*	<0.050	0.050	11/29/2024	ND	2.01	100	2.00	5.61	
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.00	100	2.00	5.37	
Total Xylenes*	<0.150	0.150	11/29/2024	ND	5.94	99.0	6.00	5.68	
Total BTEX	<0.300	0.300	11/29/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/02/2024	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	11/28/2024	ND	212	106	200	2.51	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	196	97.8	200	3.75	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 86.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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 Fax To: (575) 397-0397

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 79 @ 3' (H247236-19)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/29/2024	ND	2.13	106	2.00	5.04		
Toluene*	<0.050	0.050	11/29/2024	ND	2.01	100	2.00	5.61		
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.00	100	2.00	5.37		
Total Xylenes*	<0.150	0.150	11/29/2024	ND	5.94	99.0	6.00	5.68		
Total BTEX	<0.300	0.300	11/29/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/02/2024	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	11/28/2024	ND	212	106	200	2.51	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	196	97.8	200	3.75	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 89.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 80 @ 3' (H247236-20)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/29/2024	ND	2.13	106	2.00	5.04		
Toluene*	<0.050	0.050	11/29/2024	ND	2.01	100	2.00	5.61		
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.00	100	2.00	5.37		
Total Xylenes*	<0.150	0.150	11/29/2024	ND	5.94	99.0	6.00	5.68		
Total BTEx	<0.300	0.300	11/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/02/2024	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	11/28/2024	ND	212	106	200	2.51	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	196	97.8	200	3.75	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 82.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 81 @ 3' (H247236-21)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/29/2024	ND	2.13	106	2.00	5.04		
Toluene*	<0.050	0.050	11/29/2024	ND	2.01	100	2.00	5.61		
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.00	100	2.00	5.37		
Total Xylenes*	<0.150	0.150	11/29/2024	ND	5.94	99.0	6.00	5.68		
Total BTEx	<0.300	0.300	11/29/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/02/2024	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	11/28/2024	ND	212	106	200	2.51	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	196	97.8	200	3.75	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 88.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 82 @ 3' (H247236-22)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/29/2024	ND	2.13	106	2.00	5.04		
Toluene*	<0.050	0.050	11/29/2024	ND	2.01	100	2.00	5.61		
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.00	100	2.00	5.37		
Total Xylenes*	<0.150	0.150	11/29/2024	ND	5.94	99.0	6.00	5.68		
Total BTEx	<0.300	0.300	11/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/02/2024	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	11/28/2024	ND	212	106	200	2.51	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	196	97.8	200	3.75	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 93.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 83 @ 3' (H247236-23)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/29/2024	ND	2.13	106	2.00	5.04		
Toluene*	<0.050	0.050	11/29/2024	ND	2.01	100	2.00	5.61		
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.00	100	2.00	5.37		
Total Xylenes*	<0.150	0.150	11/29/2024	ND	5.94	99.0	6.00	5.68		
Total BTX	<0.300	0.300	11/29/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/02/2024	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	11/28/2024	ND	212	106	200	2.51	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	196	97.8	200	3.75	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 90.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 84 @ 3' (H247236-24)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/29/2024	ND	2.13	106	2.00	5.04		
Toluene*	<0.050	0.050	11/29/2024	ND	2.01	100	2.00	5.61		
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.00	100	2.00	5.37		
Total Xylenes*	<0.150	0.150	11/29/2024	ND	5.94	99.0	6.00	5.68		
Total BTX	<0.300	0.300	11/29/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/02/2024	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	11/28/2024	ND	212	106	200	2.51	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	196	97.8	200	3.75	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 88.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 85 @ 3' (H247236-25)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/29/2024	ND	2.13	106	2.00	5.04		
Toluene*	<0.050	0.050	11/29/2024	ND	2.01	100	2.00	5.61		
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.00	100	2.00	5.37		
Total Xylenes*	<0.150	0.150	11/29/2024	ND	5.94	99.0	6.00	5.68		
Total BTEx	<0.300	0.300	11/29/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/02/2024	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	11/28/2024	ND	195	97.6	200	2.50	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	196	98.0	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 77.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL 1 (H247236-26)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/30/2024	ND	2.13	106	2.00	5.04		
Toluene*	<0.050	0.050	11/30/2024	ND	2.01	100	2.00	5.61		
Ethylbenzene*	<0.050	0.050	11/30/2024	ND	2.00	100	2.00	5.37		
Total Xylenes*	<0.150	0.150	11/30/2024	ND	5.94	99.0	6.00	5.68		
Total BTEX	<0.300	0.300	11/30/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/02/2024	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	11/28/2024	ND	195	97.6	200	2.50	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	196	98.0	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 87.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL 2 (H247236-27)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/30/2024	ND	2.13	106	2.00	5.04		
Toluene*	<0.050	0.050	11/30/2024	ND	2.01	100	2.00	5.61		
Ethylbenzene*	<0.050	0.050	11/30/2024	ND	2.00	100	2.00	5.37		
Total Xylenes*	<0.150	0.150	11/30/2024	ND	5.94	99.0	6.00	5.68		
Total BTEX	<0.300	0.300	11/30/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/02/2024	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	11/28/2024	ND	195	97.6	200	2.50	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	196	98.0	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 91.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL 3 (H247236-28)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/30/2024	ND	2.13	106	2.00	5.04		
Toluene*	<0.050	0.050	11/30/2024	ND	2.01	100	2.00	5.61		
Ethylbenzene*	<0.050	0.050	11/30/2024	ND	2.00	100	2.00	5.37		
Total Xylenes*	<0.150	0.150	11/30/2024	ND	5.94	99.0	6.00	5.68		
Total BTEX	<0.300	0.300	11/30/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/02/2024	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	11/28/2024	ND	195	97.6	200	2.50	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	196	98.0	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 83.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL 4 (H247236-29)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/30/2024	ND	2.13	106	2.00	5.04		
Toluene*	<0.050	0.050	11/30/2024	ND	2.01	100	2.00	5.61		
Ethylbenzene*	<0.050	0.050	11/30/2024	ND	2.00	100	2.00	5.37		
Total Xylenes*	<0.150	0.150	11/30/2024	ND	5.94	99.0	6.00	5.68		
Total BTEX	<0.300	0.300	11/30/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/02/2024	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	11/28/2024	ND	195	97.6	200	2.50	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	196	98.0	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 87.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL 5 (H247236-30)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/30/2024	ND	2.13	106	2.00	5.04		
Toluene*	<0.050	0.050	11/30/2024	ND	2.01	100	2.00	5.61		
Ethylbenzene*	<0.050	0.050	11/30/2024	ND	2.00	100	2.00	5.37		
Total Xylenes*	<0.150	0.150	11/30/2024	ND	5.94	99.0	6.00	5.68		
Total BTEX	<0.300	0.300	11/30/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/02/2024	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	11/28/2024	ND	195	97.6	200	2.50	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	196	98.0	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 90.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL 6 (H247236-31)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/30/2024	ND	2.13	106	2.00	5.04		
Toluene*	<0.050	0.050	11/30/2024	ND	2.01	100	2.00	5.61		
Ethylbenzene*	<0.050	0.050	11/30/2024	ND	2.00	100	2.00	5.37		
Total Xylenes*	<0.150	0.150	11/30/2024	ND	5.94	99.0	6.00	5.68		
Total BTEx	<0.300	0.300	11/30/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/02/2024	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	11/28/2024	ND	195	97.6	200	2.50	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	196	98.0	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 91.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL 7 (H247236-32)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/30/2024	ND	2.13	106	2.00	5.04		
Toluene*	<0.050	0.050	11/30/2024	ND	2.01	100	2.00	5.61		
Ethylbenzene*	<0.050	0.050	11/30/2024	ND	2.00	100	2.00	5.37		
Total Xylenes*	<0.150	0.150	11/30/2024	ND	5.94	99.0	6.00	5.68		
Total BTEX	<0.300	0.300	11/30/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/02/2024	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	11/28/2024	ND	195	97.6	200	2.50	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	196	98.0	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 91.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL 8 (H247236-33)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/30/2024	ND	2.13	106	2.00	5.04		
Toluene*	<0.050	0.050	11/30/2024	ND	2.01	100	2.00	5.61		
Ethylbenzene*	<0.050	0.050	11/30/2024	ND	2.00	100	2.00	5.37		
Total Xylenes*	<0.150	0.150	11/30/2024	ND	5.94	99.0	6.00	5.68		
Total BTEX	<0.300	0.300	11/30/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/02/2024	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	11/28/2024	ND	195	97.6	200	2.50	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	196	98.0	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 90.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL 9 (H247236-34)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2024	ND	2.13	106	2.00	5.04	
Toluene*	<0.050	0.050	11/30/2024	ND	2.01	100	2.00	5.61	
Ethylbenzene*	<0.050	0.050	11/30/2024	ND	2.00	100	2.00	5.37	
Total Xylenes*	<0.150	0.150	11/30/2024	ND	5.94	99.0	6.00	5.68	
Total BTEX	<0.300	0.300	11/30/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/02/2024	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	11/28/2024	ND	195	97.6	200	2.50	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	196	98.0	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 91.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL 10 (H247236-35)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/30/2024	ND	2.13	106	2.00	5.04		
Toluene*	<0.050	0.050	11/30/2024	ND	2.01	100	2.00	5.61		
Ethylbenzene*	<0.050	0.050	11/30/2024	ND	2.00	100	2.00	5.37		
Total Xylenes*	<0.150	0.150	11/30/2024	ND	5.94	99.0	6.00	5.68		
Total BTEX	<0.300	0.300	11/30/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/02/2024	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	11/28/2024	ND	195	97.6	200	2.50	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	196	98.0	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 75.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL 11 (H247236-36)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2024	ND	2.13	106	2.00	5.04	
Toluene*	<0.050	0.050	11/30/2024	ND	2.01	100	2.00	5.61	
Ethylbenzene*	<0.050	0.050	11/30/2024	ND	2.00	100	2.00	5.37	
Total Xylenes*	<0.150	0.150	11/30/2024	ND	5.94	99.0	6.00	5.68	
Total BTEX	<0.300	0.300	11/30/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/02/2024	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	11/28/2024	ND	195	97.6	200	2.50	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	196	98.0	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 83.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL 12 (H247236-37)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/29/2024	ND	2.20	110	2.00	2.48		
Toluene*	<0.050	0.050	11/29/2024	ND	2.29	114	2.00	5.19		
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.46	123	2.00	6.12	QM-07	
Total Xylenes*	<0.150	0.150	11/29/2024	ND	7.44	124	6.00	7.48	QR-03	
Total BTEX	<0.300	0.300	11/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/03/2024	ND	432	108	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	11/28/2024	ND	195	97.6	200	2.50	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	196	98.0	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 89.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL 13 (H247236-38)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/29/2024	ND	2.20	110	2.00	2.48		
Toluene*	<0.050	0.050	11/29/2024	ND	2.29	114	2.00	5.19		
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.46	123	2.00	6.12		
Total Xylenes*	<0.150	0.150	11/29/2024	ND	7.44	124	6.00	7.48		
Total BTEX	<0.300	0.300	11/29/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/03/2024	ND	432	108	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	11/28/2024	ND	195	97.6	200	2.50	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	196	98.0	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 90.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.3 % 49.1-148

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Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL 14 (H247236-39)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/29/2024	ND	2.20	110	2.00	2.48		
Toluene*	<0.050	0.050	11/29/2024	ND	2.29	114	2.00	5.19		
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.46	123	2.00	6.12		
Total Xylenes*	<0.150	0.150	11/29/2024	ND	7.44	124	6.00	7.48		
Total BTX	<0.300	0.300	11/29/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/03/2024	ND	432	108	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	11/28/2024	ND	195	97.6	200	2.50	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	196	98.0	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 88.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.4 % 49.1-148

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Analytical Results For:

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Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL 15 (H247236-40)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/29/2024	ND	2.20	110	2.00	2.48		
Toluene*	<0.050	0.050	11/29/2024	ND	2.29	114	2.00	5.19		
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.46	123	2.00	6.12		
Total Xylenes*	<0.150	0.150	11/29/2024	ND	7.44	124	6.00	7.48		
Total BTEx	<0.300	0.300	11/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	12/03/2024	ND	432	108	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	11/28/2024	ND	195	97.6	200	2.50	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	196	98.0	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 90.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL 16 (H247236-41)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/29/2024	ND	2.20	110	2.00	2.48		
Toluene*	<0.050	0.050	11/29/2024	ND	2.29	114	2.00	5.19		
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.46	123	2.00	6.12		
Total Xylenes*	<0.150	0.150	11/29/2024	ND	7.44	124	6.00	7.48		
Total BTEx	<0.300	0.300	11/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 124 % 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	12/03/2024	ND	432	108	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	11/28/2024	ND	195	97.6	200	2.50	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	196	98.0	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 92.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL 17 (H247236-42)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/29/2024	ND	2.20	110	2.00	2.48		
Toluene*	<0.050	0.050	11/29/2024	ND	2.29	114	2.00	5.19		
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.46	123	2.00	6.12		
Total Xylenes*	<0.150	0.150	11/29/2024	ND	7.44	124	6.00	7.48		
Total BTEX	<0.300	0.300	11/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/03/2024	ND	432	108	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	11/28/2024	ND	195	97.6	200	2.50	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	196	98.0	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 91.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL 18 (H247236-43)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/29/2024	ND	2.20	110	2.00	2.48		
Toluene*	<0.050	0.050	11/29/2024	ND	2.29	114	2.00	5.19		
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.46	123	2.00	6.12		
Total Xylenes*	<0.150	0.150	11/29/2024	ND	7.44	124	6.00	7.48		
Total BTEx	<0.300	0.300	11/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	12/03/2024	ND	432	108	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	11/28/2024	ND	195	97.6	200	2.50	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	196	98.0	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 88.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL 19 (H247236-44)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/29/2024	ND	2.20	110	2.00	2.48		
Toluene*	<0.050	0.050	11/29/2024	ND	2.29	114	2.00	5.19		
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.46	123	2.00	6.12		
Total Xylenes*	<0.150	0.150	11/29/2024	ND	7.44	124	6.00	7.48		
Total BTEx	<0.300	0.300	11/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	12/03/2024	ND	432	108	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	11/28/2024	ND	195	97.6	200	2.50	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	196	98.0	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 87.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL 20 (H247236-45)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/29/2024	ND	2.20	110	2.00	2.48		
Toluene*	<0.050	0.050	11/29/2024	ND	2.29	114	2.00	5.19		
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.46	123	2.00	6.12		
Total Xylenes*	<0.150	0.150	11/29/2024	ND	7.44	124	6.00	7.48		
Total BTEx	<0.300	0.300	11/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	12/03/2024	ND	432	108	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	11/28/2024	ND	204	102	200	3.74	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	185	92.4	200	5.78	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 77.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.0 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL 21 (H247236-46)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/29/2024	ND	2.20	110	2.00	2.48		
Toluene*	<0.050	0.050	11/29/2024	ND	2.29	114	2.00	5.19		
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.46	123	2.00	6.12		
Total Xylenes*	<0.150	0.150	11/29/2024	ND	7.44	124	6.00	7.48		
Total BTEx	<0.300	0.300	11/29/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/03/2024	ND	432	108	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	11/28/2024	ND	204	102	200	3.74	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	185	92.4	200	5.78	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 83.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL 22 (H247236-47)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/29/2024	ND	2.20	110	2.00	2.48	
Toluene*	<0.050	0.050	11/29/2024	ND	2.29	114	2.00	5.19	
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.46	123	2.00	6.12	
Total Xylenes*	<0.150	0.150	11/29/2024	ND	7.44	124	6.00	7.48	
Total BTEX	<0.300	0.300	11/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 127 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/03/2024	ND	432	108	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	11/28/2024	ND	204	102	200	3.74	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	185	92.4	200	5.78	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 72.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/26/2024
 Reported: 12/04/2024
 Project Name: TWIN LAKES SA UNIT #47
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL 23 (H247236-48)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/29/2024	ND	2.20	110	2.00	2.48		
Toluene*	<0.050	0.050	11/29/2024	ND	2.29	114	2.00	5.19		
Ethylbenzene*	<0.050	0.050	11/29/2024	ND	2.46	123	2.00	6.12		
Total Xylenes*	<0.150	0.150	11/29/2024	ND	7.44	124	6.00	7.48		
Total BTEx	<0.300	0.300	11/29/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/03/2024	ND	432	108	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	11/28/2024	ND	204	102	200	3.74	
DRO >C10-C28*	<10.0	10.0	11/28/2024	ND	185	92.4	200	5.78	
EXT DRO >C28-C36	<10.0	10.0	11/28/2024	ND					

Surrogate: 1-Chlorooctane 82.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.1 % 49.1-148

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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.
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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc. Project Manager: Cliff Brunson Address: P.O. Box 805 City: Hobbs Phone #: 575-397-6388 Project #: Project Name: Project Location: New Mexico Sampler Name:				BILL TO P.O. #: Company: Oxy Attn: Address: City: State: Zip: Phone #: Fax #:				ANALYSIS REQUEST			
State: NM Zip: 88241 Fax #: 575-397-0397 Project Owner: Oxy											
FOR LAB USE ONLY Lab I.D.: H347336 Sample I.D.:				Matrix: (G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :				PRESERV SAMPLING			
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising from this contract or for any claim arising from the use of the services provided by Cardinal shall be limited to the amount paid by the client for the services. 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.											
Relinquished By: [Signature] Date: 11/22/04 Time: 11:30				Received By: [Signature] Date: 11/22/04 Time: 11:40				TPH BTEX CL-			
Relinquished By: [Signature] Date: 11/22/04 Time: 11:30				Received By: [Signature] Date: 11/22/04 Time: 11:40				TPH BTEX CL-			
Delivered By: (Circle One) Sampler - UPS - Bus - Other:				Sample Condition: <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No				CHECKED BY: [Signature] (Initials)			
Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: REMARKS:							



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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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	
Project Manager: Cliff Brunson		P.O. #:	
Address: P.O. Box 805		Company: Oxy	
City: Hobbs		Attn:	
State: NM Zip: 88241		Address:	
Phone #: 575-397-6388		City:	
Fax #: 575-397-0397		State:	
Project #: Project Owner: Oxy		Zip:	
Project Name: Twin Lakes SA Unit #047		Phone #:	
Project Location: New Mexico		Fax #:	
Sampler Name: Roger Hernandez			
FOR LAB USE ONLY			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS
H247236	Bottom 81 @ 3'	GROUNDWATER	
21	82 @ 3'	WASTEWATER	
22	83 @ 3'	SOIL	
23	84 @ 3'	OIL	
24	85 @ 3'	SLUDGE	
25	SIDEWALL 2	OTHER:	
26	3	ACID/BASE:	
27	4	ICE / COOL	
28	5	OTHER:	
29		DATE	TIME
30		11.25.24	830
		11.25.24	840
		11.25.24	850
		11.25.24	900
		11.25.24	910
		11.25.24	920
		11.25.24	930
		11.25.24	940
		11.25.24	950
		11.25.24	1000
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Relinquished By: Roger Hernandez	Date:	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By: S.S.	Date: 11.26.24	Received By: S.S.	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:
Delivered By: (Circle One) CF-0.6c #140	Time: 0910	Sample Condition: <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Broken	CHECKED BY: (Initials) S.S.
Sampler - UPS - Bus - Other: -6.3c/-6.9c			

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 54 of 55



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc. Project Manager: Cliff Brunson Address: P.O. Box 805 City: Hobbs Phone #: 575-397-6388 Project #: Project Name: Twin Lakes SA and #0417 Project Location: New Mexico Sampler Name: Scott Hernandez		State: NM zip: 88241 Fax #: 575-397-0397 Project Owner: Oxy City: State: zip: Phone #: Fax #:		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.		DATE TIME		TPH BTEX CL-	
H24B36 41 42 43 44 45 46 47 48		SIDEWALL 16 17 18 19 20 21 22 23		(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :		MATRIX PRESERV SAMPLING		DATE TIME	
Relinquished By: <i>Scott Hernandez</i> Date: <i>11-25-24</i> Time:		Received By: <i>Scott Hernandez</i> Date: <i>11-25-24</i> Time:		Delivered By: (Circle One) UPS - Bus - Other: <i>UPS - 0.6c #100</i> Sampler - UPS - Bus - Other: <i>UPS - 0.6c #100</i>		Sample Condition Cool Initial Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Checked By: <i>Scott Hernandez</i> (Initials)		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: Add'l Fax #: REMARKS:	

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



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

February 06, 2025

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: BURRIS'S #2 PITT

Enclosed are the results of analyses for samples received by the laboratory on 02/03/25 11:53.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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:	02/03/2025	Sampling Date:	01/31/2025
Reported:	02/06/2025	Sampling Type:	Soil
Project Name:	BURRIS'S #2 PITT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NM		

Sample ID: BACKFILL SAMPLE (H250620-01)

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	02/03/2025	ND	1.74	86.8	2.00	11.9	
Toluene*	<0.050	0.050	02/03/2025	ND	1.81	90.3	2.00	13.6	
Ethylbenzene*	<0.050	0.050	02/03/2025	ND	1.75	87.5	2.00	13.9	
Total Xylenes*	<0.150	0.150	02/03/2025	ND	5.36	89.3	6.00	14.1	
Total BTEX	<0.300	0.300	02/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	<16.0	16.0	02/03/2025	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	02/03/2025	ND	223	112	200	2.45	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	214	107	200	0.386	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					

Surrogate: 1-Chlorooctane 97.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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A handwritten signature in cursive script, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: BBC International, Inc.

Project Manager: Cliff Brunson

Address: P.O. Box 805

City: Hobbs

Phone #: 575-397-6388

Project #:

Project Name:

Project Location: New Mexico

Sampler Name:

FOR LAB USE ONLY

BILL TO

ANALYSIS REQUEST

P.O. #:

Company: Oxy

Attn:

Address:

City:

State: Zip:

Phone #:

Fax #:

MATRIX

PRESERV

SAMPLING

Lab I.D.

Sample I.D.

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

TPH
BTEX
CL

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 analysis. 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 subcontractors, affiliates or successors acting 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, shall be deemed waived.

Relinquished By:

Date: 9:30 AM

Received By: Spectroscopy

Phone Result: ☐ Yes ☐ No

Yes ☐ No ☐

Add'l Phone #: Add'l Fax #:

REMARKS:

Relinquished By:

Date: 11:53

Received By:

Delivered By: (Circle One)

-7.4 (C) + 0.3

Sample Condition

CHECKED BY: (Initials)

Sampler - UPS - Bus - Other:

-7.1 (C) #140

Cool ☐ Intact ☐

Yes ☐ No ☐

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



APPENDIX D

Chain-of-Custody Correspondence



PHONE (575) 397-6388 • FAX (575) 397- 0397 • 1324 W. MARLAND • P.O. BOX 805 • HOBBS, NM 88241-0805
E-MAIL: cbrunson@bbcinternational.com

September 30, 2025

New Mexico Energy, Minerals and Natural Resources Department
Attn: Shelly Wells
1220 South St. Francis Drive
Santa Fe, NM 87505

SUBJECT: Incident ID: nAPP2405244585 (Twin Lakes SA Unit #047)

Dear Ms. Wells,

As per our conversation of today, September 30, 2025, this letter is to confirm that the BBC employee that collected the backfill sample as referenced in the Chain of Custody on pg. 133 of the report did indeed collect a 5-point composite samples as per the requirements of 19.15.29.12.D NMAC. However, he inadvertantly marked 'G' (grab) on the Chain of Custody. This employee is a 20 plus year employee and well versed in sampling, but did make this mistake. It has been addressed within our organization.

I appreciate your willingness to accept this mistake and work with us.

If you have any questions, please contact me.

Regards,

Cliff P. Brunson
CEO/President



APPENDIX E

NMOCD Correspondence

From: [Buchanan, Michael, EMNRD](#)
To: [Aimee Cole; Wells, Shelly, EMNRD](#)
Cc: [Dittrich, John W](#)
Subject: RE: [EXTERNAL] Oxy USA Inc. - Extension Request - Twin Lakes SA Unit #047 (Incident # nAPP2405244585)
Date: Friday, September 6, 2024 9:56:11 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)

[**EXTERNAL EMAIL**]

Good morning, Aimee

The extension request for Twin Lakes #047, # nAPP2405244585 is approved. The new due date to submit your remediation closure report to the OCD is December 03, 2024. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file. The incident has been updated online to reflect this new date.

Kind Regards,

From: Aimee Cole <acole@ensolum.com>
Sent: Friday, September 6, 2024 10:17 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Dittrich, John W <Wade_Dittrich@oxy.com>
Subject: [EXTERNAL] Oxy USA Inc. - Extension Request - Twin Lakes SA Unit #047 (Incident # nAPP2405244585)

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

To Whom It May Concern,

Oxy USA Inc. (Oxy) is requesting an extension of the current September 9, 2024, deadline for submitting a report required in 9.15.29.12.B.(1) NMAC detailing remedial actions at the Twin Lakes SA Unit #047 (Incident # nAPP2405244585).

Compliance with the Cultural Properties Protection (CPP) Rule was required for the site. An ARMS review was requested on March 13, 2024. Based on the ARMS review, a field archaeological survey was completed by Beaver Creek Archeology on April 12, 2024. No cultural properties were identified and the SLO Cultural Resource Office provided notice to proceed via email on April 23, 2024. Excavation activities commenced on May 13, 2024. Based on the most recent laboratory analytical results, additional vertical excavation may be required. Oxy permitted and installed a soil boring within 0.5 miles of the site on July 18, 2024, to confirm depth to groundwater prior to additional excavation activities.

A contractor has been secured to complete excavation activities at the eight remaining Twin Lakes sites beginning the week of September 9, 2024. Due to project delays for the archaeological survey, permitting and drilling of a soil boring, and contractor availability, Oxy is requesting a 90-day extension of the current deadline to allow time to evaluate depth to groundwater, complete excavation and soil sampling activities, and prepare a closure report or revised remediation work plan.

Thank you,



Aimee Cole
Associate Principal
720-384-7365
Ensolum, LLC
in f X



Outlook

RE: [EXTERNAL] Oxy USA Inc. - Extension Request - Twin Lakes SA Unit #047 (Incident # nAPP2405244585)

From Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Date Mon 6/10/2024 2:33 PM

To Aimee Cole <acole@ensolum.com>

Cc Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Kalei_Jennings@oxy.com <Kalei_Jennings@oxy.com>

[**EXTERNAL EMAIL**]

Good afternoon Aimee,

The extension request for NAPP2405244585 TWIN LAKES SA UNIT #047 is approved. The new due date to submit your remediation closure report to the OCD is September 9, 2024. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Kind regards,

Shelly

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

From: Aimee Cole <acole@ensolum.com>

Sent: Monday, June 10, 2024 11:45 AM

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

Cc: Jennings, Kalei M <Kalei_Jennings@oxy.com>

Subject: [EXTERNAL] Oxy USA Inc. - Extension Request - Twin Lakes SA Unit #047 (Incident # nAPP2405244585)

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

To Whom it May Concern,

Oxy USA Inc. (Oxy) is requesting an extension of the current June 11, 2024, deadline for submitting a report required in 9.15.29.12.B.(1) NMAC detailing remedial actions at the Twin Lakes SA Unit #047 (Incident # nAPP2405244585).

An ARMS review was requested on March 13, 2024. Based on the ARMS review, an archaeological pedestrian survey was required. The archaeological survey was completed by Beaver Creek Archeology

on April 12, 2024. No cultural properties were identified and the SLO Cultural Resource Office provided notice to proceed via email on April 23, 2024. Excavation activities commenced on May 13, 2024. Based on the most recent laboratory analytical results (received May 28, 2024), additional vertical excavation may be required. Oxy intends to drill a soil boring closer to the site to confirm depth to groundwater prior to additional excavation activities. The current available groundwater data is for a USGS well located approximately 1.2 miles from the site, at a lower elevation, and was most recently measured >25 years ago.

In order to allow time to drill a soil boring to confirm depth to water, complete excavation activities, and prepare a closure report or revised remediation work plan, Oxy requests a 90-day extension until September 8, 2024.

Thank you,



Aimee Cole

Associate Principal

720-384-7365

Ensolum, LLC

in f X

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 521024

QUESTIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 521024
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2405244585
Incident Name	NAPP2405244585 TWIN LAKES SA UNIT #047 @ 30-005-60010
Incident Type	Oil Release
Incident Status	Reclamation Report Received
Incident Well	[30-005-60010] TWIN LAKES SAN ANDRES UNIT #047

Location of Release Source

Please answer all the questions in this group.

Site Name	TWIN LAKES SA UNIT #047
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 521024

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 521024
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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: Daniel Sparks Title: Environmental Analyst III Email: daniel_sparks@oxy.com Date: 10/29/2025
--	---

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QUESTIONS, Page 3

Action 521024

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 521024
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Site Characterization	
<i>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.</i>	
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 ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (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 ½ and 1 (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	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>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.</i>	
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)	2200
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	2300
GRO+DRO (EPA SW-846 Method 8015M)	960
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
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	16000
What is the estimated volume (in cubic yards) that will be reclaimed	800
What is the estimated surface area (in square feet) that will be remediated	16000
What is the estimated volume (in cubic yards) that will be remediated	800
<i>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.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 521024

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 521024
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fEEM0112340644 R360 ARTESIA LLC LANDFARM
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	No
OR is the off-site disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Daniel Sparks Title: Environmental Analyst III Email: daniel_sparks@oxy.com Date: 10/29/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 521024

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 521024
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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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1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 6

Action 521024

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 521024
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	403604
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/25/2024
What was the (estimated) number of samples that were to be gathered	108
What was the sampling surface area in square feet	16637

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	16637
What was the total volume (cubic yards) remediated	958
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	16637
What was the total volume (in cubic yards) reclaimed	958
Summarize any additional remediation activities not included by answers (above)	Excavation of impacts soil to below Closure Criteria
<i>The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Daniel Sparks Title: Environmental Analyst III Email: daniel_sparks@oxy.com Date: 10/29/2025

Sante Fe Main Office
Phone: (505) 476-3441

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

QUESTIONS, Page 7

Action 521024

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 521024
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Reclamation Report	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	16637
What was the total volume of replacement material (in cubic yards) for this site	958
<i>Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.</i>	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseedling commence(d)	10/01/2025
Summarize any additional reclamation activities not included by answers (above)	N/A
<i>The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseedling plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Daniel Sparks Title: Environmental Analyst III Email: daniel_sparks@oxy.com Date: 10/29/2025

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

QUESTIONS, Page 8

Action 521024

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 521024
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Revegetation Report	
<i>Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.</i>	
Requesting a restoration complete approval with this submission	No
<i>Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.</i>	

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

CONDITIONS

Action 521024

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 521024
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	11/18/2025