



January 3, 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 #027 Flow Line Release
Incident Number nAPP2405243873
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 11, 2024. This *Closure Request* documents assessment, excavation, and soil sampling activities performed at the Twin Lakes SA Unit #027 Flow Line Release (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 nAPP2405243873.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit G, Section 36, Township 8 South, Range 28 East, in Chaves County, New Mexico (33.577075, -104.041651) and is associated with oil and gas exploration and production operations on state land managed by the New Mexico State Land Office (NMSLO).

During 2021, the NMSLO completed an aerial imagery review of plugged and abandoned wells located on state land in Chaves County. Visible indications of a potential historical release were identified at the Site, and as the lease holder, Oxy was notified by the NMSLO of the need to investigate potential impacts to soil. Oxy contracted BBC International, Inc. (BBC) and Ensolum to conduct assessment and delineation activities within the potential historical release area 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 nAPP2405243873.

Oxy is not the Operator of the Twin Lakes SA Unit #027 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

The release occurred in a previously undisturbed pasture area; therefore, the Cultural Properties Protection Rule (CPP) was followed prior to disturbing the surface with mechanical equipment. 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 personnel were at the Site during November 2021, to evaluate the release extent based on information provided by the NMSLO and visual observations. Four surface soil samples (North, East, West, and South) were collected around the historical release extent to confirm the lateral extent of the surface release. Potholes were advanced at eight sample points (SP1 through SP8) within the release extent, to delineate the vertical extent of impacted soil. The potholes were advanced to depths ranging from 2 feet to 7 feet bgs. Discrete delineation soil samples were collected from sample points SP1 through SP8 at depths ranging from the ground surface to 7 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 visit and a photographic log is included in Appendix C.

Laboratory analytical results for surface soil samples North, East, 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 SP2 and SP3, collected at depths ranging from the ground surface to 3 feet bgs, indicated all

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COC concentrations were compliant with the Site Closure Criteria. Laboratory analytical results for the delineation soil samples collected from sample points SP1 and SP4 through SP8 indicated that TPH concentrations exceeded the Site Closure Criteria at depths ranging from the ground surface to 5 feet bgs. Chloride concentrations exceeded the Site Closure Criteria in the surface sample collected at sample point SP6. The terminal depth delineation sample from each sample point (SP1 through SP8) was compliant with the Site Closure Criteria and successfully delineated the vertical extent of impacted soil. Laboratory analytical results are summarized on the attached Table 1 and the complete laboratory analytical reports are included in Appendix D.

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

EXCAVATION ACTIVITIES

Between September 16, 2024 and December 19, 2024, BBC completed excavation of impacted soil around sample points SP1 and SP4 through SP8, 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 2 feet to 6 feet bgs.

Following removal of impacted soil, BBC collected 5-point composite soil samples every 200 square feet from the floor and 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 75 were collected from the floor of the excavation at depths ranging from 2 feet to 6 feet bgs. Composite soil samples SIDEWALL 1 through SIDEWALL 19 were collected from the sidewalls of the excavation at depths ranging from the ground surface to 6 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 C.

Laboratory analytical results for excavation floor samples BOTTOM 1 through BOTTOM 75 and excavation sidewall samples SIDEWALL 1 through SIDEWALL 19, collected from the final excavation extent, indicated all COC concentrations were compliant with the Site Closure Criteria. Laboratory analytical results for the initial excavation floor sample BOTTOM 40, collected at 2 feet bgs, exceeded the Site Closure Criteria for chloride; additional soil was removed from this area and subsequent floor sample BOTTOM 40, collected at 3 feet bgs, was compliant. 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 D.

The excavation measured approximately 14,765 square feet in areal extent. A total of approximately 1,600 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

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(mg/k) and TPH concentrations less than 100 mg/kg. Photographs of the backfilled excavation are provided in Appendix C. The laboratory analytical results are summarized on the attached Table 1 and the complete laboratory analytical report is included as Appendix D.

Following backfill activities, the disturbed area was recontoured to match the surrounding topography. The reclaimed excavation area will be seeded during the Spring 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).

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 nAPP2405243873.

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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

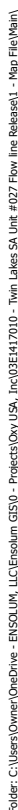
cc: Wade Dittrich, Oxy USA Inc.
New Mexico State Land Office

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	Referenced Well Records
Appendix C	Photographic Log
Appendix D	Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix E	NMOCD Correspondence



FIGURES



Site Receptor Map

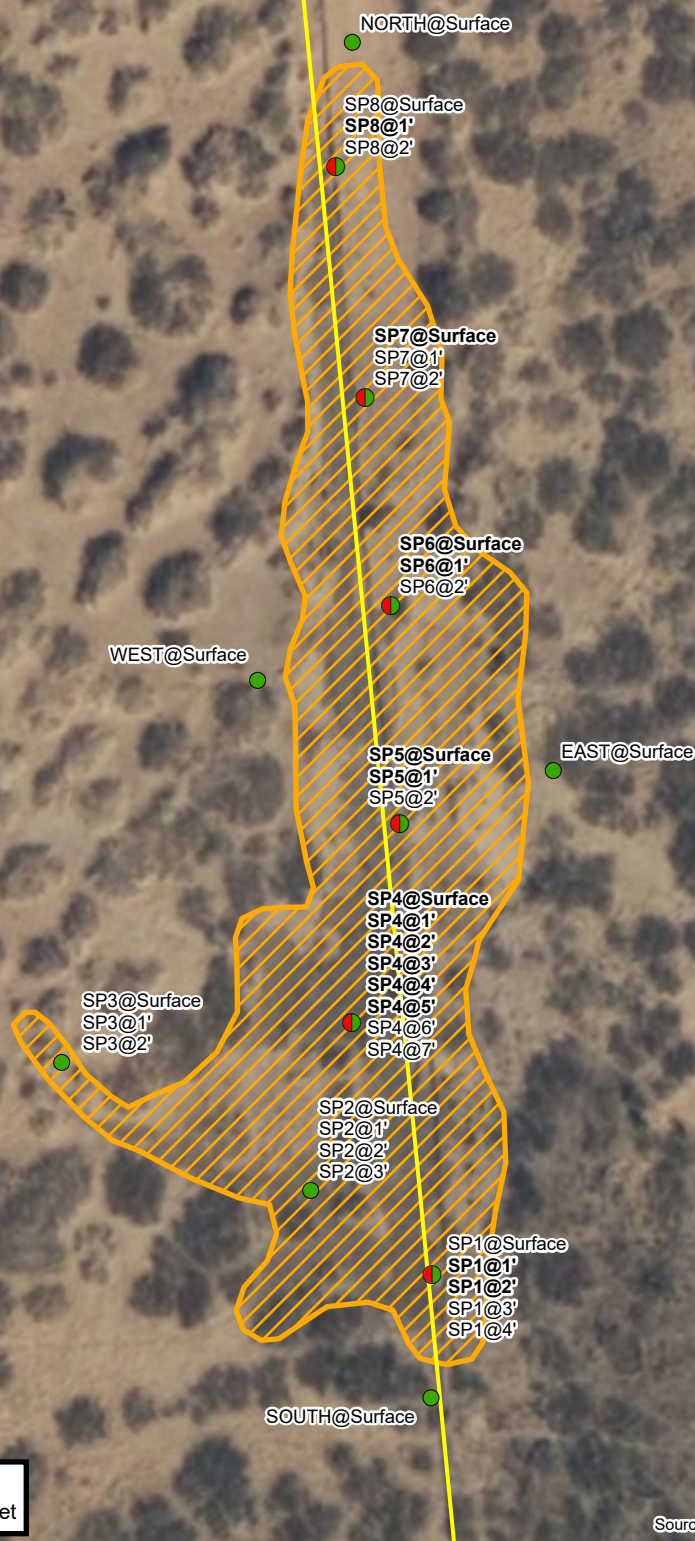
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Twin Lakes SA Unit #027 Flow line Release
Incident Number: nAPP2405243873
Unit G, Section 36, T 08S, R 28E
Chaves County, New Mexico

FIGURE

1

Legend

- Delineation Soil Sample in Compliance with Closure Criteria
- Delineation Soil Sample with Concentrations Exceeding Closure Criteria
- Oil and Gas Utility Line
- Release Extent



Notes:
 Sample ID @ Depth Below Ground Surface.
 Samples in bold indicate sample exceeded applicable closure criteria.

0 12.5 25 50 75 100
 Feet

Sources: Environmental Systems Research Institute (ESRI)



Delineation Soil Sample Locations

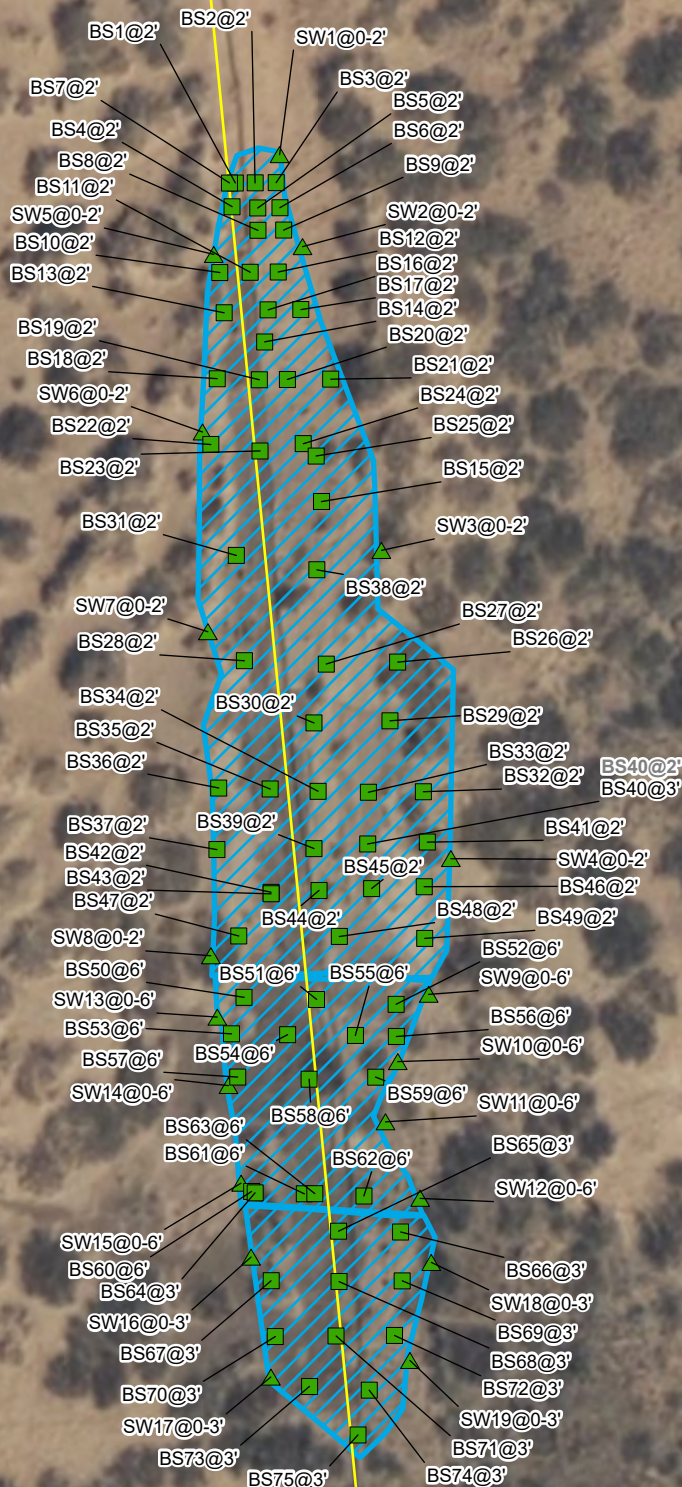
Oxy USA Inc.
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FIGURE

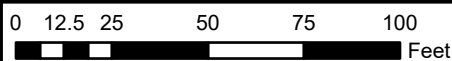
2

Legend

- Excavation Floor Sample in Compliance with Closure Criteria
- ▲ Excavation Sidewall Sample in Compliance with Closure Criteria
- Oil and Gas Utility Line
- ▨ Excavation Extent



Notes:
Sample ID @ Depth Below Ground/Surface.



Sources: Environmental Systems Research Institute (ESRI)

Excavation Soil Sample Locations

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Unit G, Section 36, T 08S, R 28E

Chaves County, New Mexico

FIGURE**3**



TABLES



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Twin Lakes SA Unit #027 Flow Line Release
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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	11/16/2021	Surface	0.124	0.346	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
East	11/16/2021	Surface	0.273	1.12	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
West	11/16/2021	Surface	0.061	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
South	11/16/2021	Surface	0.138	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SP1	11/16/2021	Surface	0.446	0.941	<10.0	17.0	46.8	17.0	63.8	<16.0
SP1	11/16/2021	1	0.183	0.422	<10.0	1,570	1,720	1,570	3,290	<16.0
SP1	11/16/2021	2	0.162	0.404	<10.0	1,270	1,370	1,270	2,640	<16.0
SP1	11/30/2021	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
SP1	11/30/2021	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
SP2	11/16/2021	Surface	0.269	0.539	<10.0	<10.0	11.8	<10.0	11.8	<16.0
SP2	11/16/2021	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SP2	11/16/2021	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
SP2	11/16/2021	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SP3	11/16/2021	Surface	0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SP3	11/16/2021	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SP3	11/16/2021	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SP4	11/16/2021	Surface	0.286	0.606	15.3	1,040	1,120	1,055	2,175	16.0
SP4	11/16/2021	1	<0.500	25.0	758	11,800	2,550	12,558	15,108	480
SP4	11/16/2021	2	0.091	<0.300	<10.0	667	678	667	1,345	192
SP4	11/16/2021	3	0.199	0.406	<10.0	1,480	1,260	1,480	2,740	<16.0
SP4	11/16/2021	4	0.134	0.374	<50.0	2,060	2,260	2,060	4,320	32.0
SP4	11/16/2021	5	0.151	0.838	<10.0	1,350	1,080	1,350	2,430	16.0
SP4	11/30/2021	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
SP4	11/30/2021	7	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Twin Lakes SA Unit #027 Flow Line Release
 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
SP5	11/18/2021	Surface	0.060	0.631	<100	29,500	11,300	29,500	40,800	208
SP5	11/18/2021	1	0.108	<0.300	<10.0	848	684	848	1,532	112
SP5	11/18/2021	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SP6	11/18/2021	Surface	0.187	0.423	<50.0	32,100	8,830	32,100	40,930	2,480
SP6	11/18/2021	1	0.058	<0.300	<10.0	985	672	985	1,657	32.0
SP6	11/18/2021	2	0.059	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SP7	11/18/2021	Surface	0.268	0.634	<50.0	2,080	2,270	2,080	4,350	80.0
SP7	11/18/2021	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SP7	11/18/2021	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SP8	11/18/2021	Surface	0.218	0.491	<10.0	39.0	15.5	39.0	54.5	16.0
SP8	11/18/2021	1	0.052	<0.300	<10.0	296	415	296	711	16.0
SP8	11/18/2021	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Excavation Soil Samples										
BOTTOM 1	10/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
BOTTOM 2	10/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432
BOTTOM 3	10/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
BOTTOM 4	10/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432
BOTTOM 5	10/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
BOTTOM 6	10/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
BOTTOM 7	10/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432
BOTTOM 8	10/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432
BOTTOM 9	10/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
BOTTOM 10	10/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496
BOTTOM 11	10/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
BOTTOM 12	10/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496
BOTTOM 13	10/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432
BOTTOM 14	10/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480



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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
BOTTOM 15	10/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
BOTTOM 16	10/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448
BOTTOM 17	10/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448
BOTTOM 18	10/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448
BOTTOM 19	10/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
BOTTOM 20	10/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
BOTTOM 21	10/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
BOTTOM 22	10/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
BOTTOM 23	10/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448
BOTTOM 24	10/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
BOTTOM 25	10/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
BOTTOM 26	10/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
BOTTOM 27	10/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
BOTTOM 28	10/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
BOTTOM 29	10/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
BOTTOM 30	10/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
BOTTOM 31	10/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
BOTTOM 32	10/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
BOTTOM 33	10/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432
BOTTOM 34	10/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
BOTTOM 35	10/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
BOTTOM 36	10/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
BOTTOM 37	10/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
BOTTOM 38	10/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
BOTTOM 39	10/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
BOTTOM 40	10/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	880
BOTTOM 40	10/16/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Twin Lakes SA Unit #027 Flow Line Release
 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 41	10/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432
BOTTOM 42	10/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448
BOTTOM 43	10/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
BOTTOM 44	10/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
BOTTOM 45	10/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
BOTTOM 46	10/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
BOTTOM 47	10/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
BOTTOM 48	10/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
BOTTOM 49	10/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496
BOTTOM 50	10/03/2024	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	512
BOTTOM 51	10/03/2024	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
BOTTOM 52	10/03/2024	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
BOTTOM 53	10/03/2024	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	512
BOTTOM 54	10/03/2024	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496
BOTTOM 55	10/03/2024	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496
BOTTOM 56	10/03/2024	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	544
BOTTOM 57	10/03/2024	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	512
BOTTOM 58	10/03/2024	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
BOTTOM 59	10/03/2024	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	528
BOTTOM 60	10/03/2024	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496
BOTTOM 61	10/03/2024	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	528
BOTTOM 62	10/03/2024	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
BOTTOM 63	10/03/2024	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496
BOTTOM 64	10/03/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	544
BOTTOM 65	10/03/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
BOTTOM 66	10/03/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
BOTTOM 67	10/03/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Twin Lakes SA Unit #027 Flow Line Release
 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 68	10/03/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
BOTTOM 69	10/03/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	512
BOTTOM 70	10/03/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496
BOTTOM 71	10/03/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
BOTTOM 72	10/03/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496
BOTTOM 73	10/03/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
BOTTOM 74	10/03/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
BOTTOM 75	10/03/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
SIDEWALL 1	10/03/2024	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
SIDEWALL 2	10/03/2024	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
SIDEWALL 3	10/03/2024	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
SIDEWALL 4	10/03/2024	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
SIDEWALL 5	10/03/2024	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
SIDEWALL 6	10/03/2024	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
SIDEWALL 7	10/03/2024	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
SIDEWALL 8	10/03/2024	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
SIDEWALL 9	10/03/2024	0-6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
SIDEWALL 10	10/03/2024	0-6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
SIDEWALL 11	10/03/2024	0-6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
SIDEWALL 12	10/03/2024	0-6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
SIDEWALL 13	10/03/2024	0-6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
SIDEWALL 14	10/03/2024	0-6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
SIDEWALL 15	10/03/2024	0-6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288



TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS Twin Lakes SA Unit #027 Flow Line Release 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 16	10/03/2024	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
SIDEWALL 17	10/03/2024	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
SIDEWALL 18	10/03/2024	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
SIDEWALL 19	10/03/2024	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
Backfill Soil Sample										
BACKFILL	10/02/2024	NA	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0

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](#); [Wade Burns](#)
Subject: FW: Remediation negative survey Report submission for Ensolum- NMCRIS Activity 155397 (BCA24-1713 & 1715)
Date: Tuesday, July 16, 2024 8:14:13 AM
Attachments: [image001.jpg](#)
[image004.png](#)
[image006.jpg](#)
[image008.jpg](#)
[image002.jpg](#)
[image005.jpg](#)
[image007.png](#)
[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
Artesia, NM 88210
Ph: (575) 746-6142 | Fx: (701) 663-5589



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From: Curry, Anne R. <acurry@slo.state.nm.us>
Sent: Monday, July 15, 2024 4:43 PM
To: Raina Hanley <RHanley@bcarch.org>; CRO Info <croinfo@slo.state.nm.us>
Subject: RE: Remediation negative survey Report submission for Ensolum- NMCRIS Activity 155397 (BCA24-1713 & 1715)

Hello Raina,

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 155397), Ensolum is free to move forward with remediation. Please reach out if you have additional questions-

Anne Curry

Director of Cultural Resources

& Archaeologist

Cultural Resources Office

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: Wednesday, April 24, 2024 2:30 PM

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

Subject: [EXTERNAL] Remediation negative survey Report submission for Ensolum- NMCRIS Activity 155397 (BCA24-1713 & 1715)

Good Afternoon,

Attached please find the negative report NIAF for NMCRIS Activity 155397 and the associated cultural resources cover sheet for the following project for Ensolum on behalf of Oxy USA for proposed remediation activities.

- A Class III Cultural Resources Inventory for Oxy USA's Twin Lakes SA Unit #027 Flowline Releases (Areas 1 & 2) and the Twin Lakes SA Unit #s 19 & 28 Flowline Releases Remediation Activities in Chaves County, New Mexico

The NIAF materials were submitted through NMCRIS, but the NIAF form itself was not. Please let me know if you would like to open the project so I can upload the PDF version of the information onto NMCRIS.

Thank you!

Raina

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
Artesia, NM 88210
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APPENDIX B

Referenced Well Records



[USGS Home](#)
[Contact USGS](#)
[Search USGS](#)

National Water Information System: Web Interface


USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

GO

Click to hideNews Bulletins

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

Groundwater levels for New Mexico

Click to hide state-specific text

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

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 333423104032401

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

USGS 333423104032401 08S.28E.35.41334

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

Output formats

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

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

Explanation

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

[Questions or Comments](#)

[Automated retrievals](#)

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[Data Tips](#)

[Explanation of terms](#)

[Subscribe for system changes](#)

[News](#)

[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)

Title: Groundwater for New Mexico: Water Levels

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

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

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


0.36 0.31 nadww02





New Mexico Office of the State Engineer

Point of Diversion Summary

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

*UTM location was derived from PLSS - see Help

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

2/7/24 2:46 PM

POINT OF DIVERSION SUMMARY



APPENDIX C

Photographic Log



Photographic Log

Oxy USA Inc.

Twin Lakes SA Unit #027 Flow Line Release

Incident Number nAPP2405243873



Photograph 1
Date: November 2024
Description: View of the excavation area



Photograph 2
Date: November 2024
Description: View of the excavation area



Photograph 3
Date: November 2024
Description: View of the excavation area



Photograph 4
Date: November 2024
Description: View of the backfilled area



Photographic Log

Oxy USA Inc.

Twin Lakes SA Unit #027 Flow Line Release

Incident Number nAPP2405243873



Photograph 5

Date: November 2024

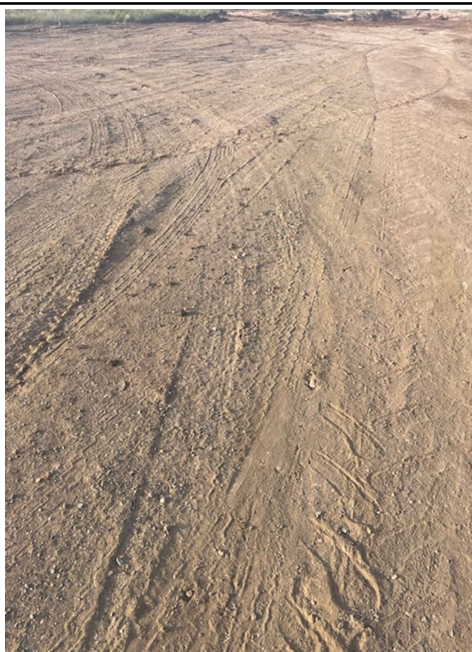
Description: View of the backfilled area



Photograph 6

Date: November 2024

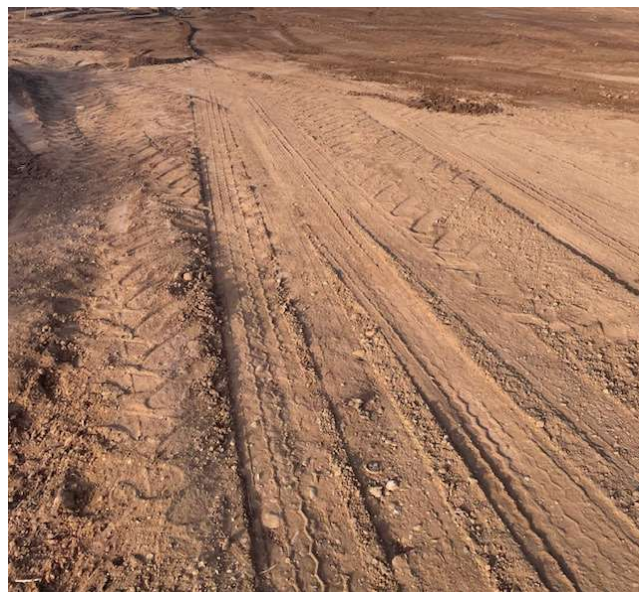
Description: View of the backfilled area



Photograph 7

Date: November 2024

Description: View of the backfilled area



Photograph 8

Date: November 2024

Description: View of the backfilled area



APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation



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

October 11, 2024

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: TWIN LAKES SA UNIT #027

Enclosed are the results of analyses for samples received by the laboratory on 10/07/24 14:00.

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:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 1 @ 2' (H246083-01)

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	10/08/2024	ND	2.15	108	2.00	0.419		
Toluene*	<0.050	0.050	10/08/2024	ND	2.07	103	2.00	0.0860		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.09	105	2.00	0.0121		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.25	104	6.00	0.119		
Total BTEX	<0.300	0.300	10/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	384	16.0	10/08/2024	ND	400	100	400	11.3		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2024	ND	188	94.0	200	0.679	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	175	87.5	200	3.74	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 86.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.5 % 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:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 2 @ 2' (H246083-02)

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	10/08/2024	ND	2.15	108	2.00	0.419		
Toluene*	<0.050	0.050	10/08/2024	ND	2.07	103	2.00	0.0860		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.09	105	2.00	0.0121		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.25	104	6.00	0.119		
Total BTEX	<0.300	0.300	10/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	432	16.0	10/08/2024	ND	400	100	400	11.3		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2024	ND	188	94.0	200	0.679	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	175	87.5	200	3.74	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 86.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.6 % 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:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 3 @ 2' (H246083-03)

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	10/08/2024	ND	2.15	108	2.00	0.419		
Toluene*	<0.050	0.050	10/08/2024	ND	2.07	103	2.00	0.0860		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.09	105	2.00	0.0121		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.25	104	6.00	0.119		
Total BTEX	<0.300	0.300	10/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	464	16.0	10/08/2024	ND	400	100	400	11.3		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2024	ND	188	94.0	200	0.679	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	175	87.5	200	3.74	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 88.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.6 % 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:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 4 @ 2' (H246083-04)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/08/2024	ND	2.15	108	2.00	0.419	
Toluene*	<0.050	0.050	10/08/2024	ND	2.07	103	2.00	0.0860	
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.09	105	2.00	0.0121	
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.25	104	6.00	0.119	
Total BTEX	<0.300	0.300	10/08/2024	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	432	16.0	10/08/2024	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	10/08/2024	ND	188	94.0	200	0.679	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	175	87.5	200	3.74	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 82.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.4 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 5 @ 2' (H246083-05)

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	10/08/2024	ND	2.15	108	2.00	0.419		
Toluene*	<0.050	0.050	10/08/2024	ND	2.07	103	2.00	0.0860		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.09	105	2.00	0.0121		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.25	104	6.00	0.119		
Total BTX	<0.300	0.300	10/08/2024	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	384	16.0	10/08/2024	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	10/08/2024	ND	188	94.0	200	0.679	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	175	87.5	200	3.74	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 87.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.1 % 49.1-148

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Analytical Results For:

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

Received:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 6 @ 2' (H246083-06)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/08/2024	ND	2.09	105	2.00	2.86		
Toluene*	<0.050	0.050	10/08/2024	ND	2.03	102	2.00	1.01	QR-03	
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.08	104	2.00	0.123	QR-03	
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.20	103	6.00	0.465	QR-03	
Total BTEX	<0.300	0.300	10/08/2024	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	416	16.0	10/08/2024	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	10/08/2024	ND	188	94.0	200	0.679	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	175	87.5	200	3.74	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 84.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.0 % 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:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 7 @ 2' (H246083-07)

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	10/08/2024	ND	2.09	105	2.00	2.86		
Toluene*	<0.050	0.050	10/08/2024	ND	2.03	102	2.00	1.01		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.08	104	2.00	0.123		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.20	103	6.00	0.465		
Total BTEX	<0.300	0.300	10/08/2024	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	432	16.0	10/08/2024	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	10/08/2024	ND	188	94.0	200	0.679	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	175	87.5	200	3.74	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 87.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.6 % 49.1-148

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Analytical Results For:

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

Received:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 8 @ 2' (H246083-08)

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	10/08/2024	ND	2.09	105	2.00	2.86		
Toluene*	<0.050	0.050	10/08/2024	ND	2.03	102	2.00	1.01		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.08	104	2.00	0.123		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.20	103	6.00	0.465		
Total BTEX	<0.300	0.300	10/08/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	10/08/2024	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	10/08/2024	ND	188	94.0	200	0.679	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	175	87.5	200	3.74	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 83.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.5 % 49.1-148

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Analytical Results For:

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

Received:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 9 @ 2' (H246083-09)

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	10/08/2024	ND	2.09	105	2.00	2.86		
Toluene*	<0.050	0.050	10/08/2024	ND	2.03	102	2.00	1.01		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.08	104	2.00	0.123		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.20	103	6.00	0.465		
Total BTEX	<0.300	0.300	10/08/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	10/08/2024	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	10/08/2024	ND	188	94.0	200	0.679		
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	175	87.5	200	3.74		
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND						

Surrogate: 1-Chlorooctane 88.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.5 % 49.1-148

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

Received:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 10 @ 2' (H246083-10)

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	10/08/2024	ND	2.09	105	2.00	2.86	
Toluene*	<0.050	0.050	10/08/2024	ND	2.03	102	2.00	1.01	
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.08	104	2.00	0.123	
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.20	103	6.00	0.465	
Total BTEX	<0.300	0.300	10/08/2024	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	496	16.0	10/08/2024	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	10/08/2024	ND	188	94.0	200	0.679	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	175	87.5	200	3.74	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 84.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.4 % 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:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 11 @ 2' (H246083-11)

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	10/08/2024	ND	2.09	105	2.00	2.86		
Toluene*	<0.050	0.050	10/08/2024	ND	2.03	102	2.00	1.01		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.08	104	2.00	0.123		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.20	103	6.00	0.465		
Total BTEx	<0.300	0.300	10/08/2024	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	416	16.0	10/08/2024	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	10/08/2024	ND	188	94.0	200	0.679	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	175	87.5	200	3.74	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 80.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.0 % 49.1-148

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Analytical Results For:

BBC International, Inc.
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Received:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 12 @ 2' (H246083-12)

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	10/08/2024	ND	2.09	105	2.00	2.86		
Toluene*	<0.050	0.050	10/08/2024	ND	2.03	102	2.00	1.01		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.08	104	2.00	0.123		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.20	103	6.00	0.465		
Total BTEX	<0.300	0.300	10/08/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	10/08/2024	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	10/08/2024	ND	188	94.0	200	0.679	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	175	87.5	200	3.74	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 83.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.9 % 49.1-148

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Analytical Results For:

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Received:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 13 @ 2' (H246083-13)

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	10/08/2024	ND	2.09	105	2.00	2.86		
Toluene*	<0.050	0.050	10/08/2024	ND	2.03	102	2.00	1.01		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.08	104	2.00	0.123		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.20	103	6.00	0.465		
Total BTEX	<0.300	0.300	10/08/2024	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	432	16.0	10/08/2024	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	10/08/2024	ND	198	98.8	200	2.17	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	198	99.0	200	5.53	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 83.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.8 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 14 @ 2' (H246083-14)

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	10/08/2024	ND	2.09	105	2.00	2.86		
Toluene*	<0.050	0.050	10/08/2024	ND	2.03	102	2.00	1.01		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.08	104	2.00	0.123		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.20	103	6.00	0.465		
Total BTEX	<0.300	0.300	10/08/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	10/08/2024	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	10/08/2024	ND	198	98.8	200	2.17		
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	198	99.0	200	5.53		
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND						

Surrogate: 1-Chlorooctane 86.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.4 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 15 @ 2' (H246083-15)

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	10/08/2024	ND	2.09	105	2.00	2.86		
Toluene*	<0.050	0.050	10/08/2024	ND	2.03	102	2.00	1.01		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.08	104	2.00	0.123		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.20	103	6.00	0.465		
Total BTEX	<0.300	0.300	10/08/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	10/08/2024	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	10/08/2024	ND	198	98.8	200	2.17		
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	198	99.0	200	5.53		
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND						

Surrogate: 1-Chlorooctane 84.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.4 % 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:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 16 @ 2' (H246083-16)

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	10/08/2024	ND	2.09	105	2.00	2.86		
Toluene*	<0.050	0.050	10/08/2024	ND	2.03	102	2.00	1.01		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.08	104	2.00	0.123		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.20	103	6.00	0.465		
Total BTEx	<0.300	0.300	10/08/2024	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	448	16.0	10/08/2024	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	10/08/2024	ND	198	98.8	200	2.17	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	198	99.0	200	5.53	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 86.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.3 % 49.1-148

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Analytical Results For:

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Received:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 17 @ 2' (H246083-17)

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	10/08/2024	ND	2.09	105	2.00	2.86		
Toluene*	<0.050	0.050	10/08/2024	ND	2.03	102	2.00	1.01		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.08	104	2.00	0.123		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.20	103	6.00	0.465		
Total BTEX	<0.300	0.300	10/08/2024	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	448	16.0	10/08/2024	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	10/08/2024	ND	198	98.8	200	2.17	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	198	99.0	200	5.53	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 87.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.3 % 49.1-148

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Analytical Results For:

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Received:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 18 @ 2' (H246083-18)

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	10/08/2024	ND	2.09	105	2.00	2.86		
Toluene*	<0.050	0.050	10/08/2024	ND	2.03	102	2.00	1.01		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.08	104	2.00	0.123		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.20	103	6.00	0.465		
Total BTEX	<0.300	0.300	10/08/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	10/08/2024	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	10/08/2024	ND	198	98.8	200	2.17	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	198	99.0	200	5.53	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 82.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 19 @ 2' (H246083-19)

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	10/08/2024	ND	2.09	105	2.00	2.86	
Toluene*	<0.050	0.050	10/08/2024	ND	2.03	102	2.00	1.01	
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.08	104	2.00	0.123	
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.20	103	6.00	0.465	
Total BTEX	<0.300	0.300	10/08/2024	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	400	16.0	10/08/2024	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	10/08/2024	ND	198	98.8	200	2.17	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	198	99.0	200	5.53	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 85.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.5 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 20 @ 2' (H246083-20)

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	10/08/2024	ND	2.09	105	2.00	2.86		
Toluene*	<0.050	0.050	10/08/2024	ND	2.03	102	2.00	1.01		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.08	104	2.00	0.123		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.20	103	6.00	0.465		
Total BTEX	<0.300	0.300	10/08/2024	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	416	16.0	10/08/2024	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	10/08/2024	ND	198	98.8	200	2.17	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	198	99.0	200	5.53	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 80.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.4 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 21 @ 2' (H246083-21)

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	10/08/2024	ND	2.09	105	2.00	2.86		
Toluene*	<0.050	0.050	10/08/2024	ND	2.03	102	2.00	1.01		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.08	104	2.00	0.123		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.20	103	6.00	0.465		
Total BTEX	<0.300	0.300	10/08/2024	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	336	16.0	10/08/2024	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	10/08/2024	ND	198	98.8	200	2.17	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	198	99.0	200	5.53	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 83.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.6 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 22 @ 2' (H246083-22)

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	10/08/2024	ND	2.09	105	2.00	2.86	
Toluene*	<0.050	0.050	10/08/2024	ND	2.03	102	2.00	1.01	
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.08	104	2.00	0.123	
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.20	103	6.00	0.465	
Total BTEX	<0.300	0.300	10/08/2024	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	400	16.0	10/08/2024	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	10/08/2024	ND	198	98.8	200	2.17	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	198	99.0	200	5.53	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 83.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.6 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 23 @ 2' (H246083-23)

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	10/08/2024	ND	2.09	105	2.00	2.86		
Toluene*	<0.050	0.050	10/08/2024	ND	2.03	102	2.00	1.01		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.08	104	2.00	0.123		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.20	103	6.00	0.465		
Total BTEX	<0.300	0.300	10/08/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	10/08/2024	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	10/08/2024	ND	198	98.8	200	2.17		
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	198	99.0	200	5.53		
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND						

Surrogate: 1-Chlorooctane 85.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.5 % 49.1-148

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Analytical Results For:

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

Received:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 24 @ 2' (H246083-24)

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	10/08/2024	ND	2.09	105	2.00	2.86	
Toluene*	<0.050	0.050	10/08/2024	ND	2.03	102	2.00	1.01	
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.08	104	2.00	0.123	
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.20	103	6.00	0.465	
Total BTEx	<0.300	0.300	10/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	10/08/2024	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	10/08/2024	ND	198	98.8	200	2.17	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	198	99.0	200	5.53	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 87.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.6 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 25 @ 2' (H246083-25)

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	10/08/2024	ND	2.09	105	2.00	2.86	
Toluene*	<0.050	0.050	10/08/2024	ND	2.03	102	2.00	1.01	
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.08	104	2.00	0.123	
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.20	103	6.00	0.465	
Total BTEX	<0.300	0.300	10/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	10/08/2024	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	10/08/2024	ND	198	98.8	200	2.17	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	198	99.0	200	5.53	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 84.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.2 % 49.1-148

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Analytical Results For:

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Received:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 26 @ 2' (H246083-26)

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	10/08/2024	ND	2.09	105	2.00	1.35		
Toluene*	<0.050	0.050	10/08/2024	ND	2.20	110	2.00	5.60		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.22	111	2.00	5.60		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.59	110	6.00	5.61		
Total BTEX	<0.300	0.300	10/08/2024	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	368	16.0	10/08/2024	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	10/08/2024	ND	198	98.8	200	2.17	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	198	99.0	200	5.53	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 87.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.7 % 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:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 27 @ 2' (H246083-27)

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	10/08/2024	ND	2.09	105	2.00	1.35		
Toluene*	<0.050	0.050	10/08/2024	ND	2.20	110	2.00	5.60		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.22	111	2.00	5.60		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.59	110	6.00	5.61		
Total BTEX	<0.300	0.300	10/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	272	16.0	10/08/2024	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	10/08/2024	ND	198	98.8	200	2.17	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	198	99.0	200	5.53	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 85.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.2 % 49.1-148

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Analytical Results For:

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

Received:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 28 @ 2' (H246083-28)

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	10/08/2024	ND	2.09	105	2.00	1.35		
Toluene*	<0.050	0.050	10/08/2024	ND	2.20	110	2.00	5.60		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.22	111	2.00	5.60		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.59	110	6.00	5.61		
Total BTEx	<0.300	0.300	10/08/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	10/08/2024	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	10/08/2024	ND	198	98.8	200	2.17	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	198	99.0	200	5.53	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 85.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.3 % 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:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 29 @ 2' (H246083-29)

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	10/08/2024	ND	2.09	105	2.00	1.35		
Toluene*	<0.050	0.050	10/08/2024	ND	2.20	110	2.00	5.60		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.22	111	2.00	5.60		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.59	110	6.00	5.61		
Total BTEX	<0.300	0.300	10/08/2024	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	336	16.0	10/08/2024	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	10/08/2024	ND	198	98.8	200	2.17	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	198	99.0	200	5.53	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 84.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.4 % 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:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 30 @ 2' (H246083-30)

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	10/08/2024	ND	2.09	105	2.00	1.35		
Toluene*	<0.050	0.050	10/08/2024	ND	2.20	110	2.00	5.60		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.22	111	2.00	5.60		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.59	110	6.00	5.61		
Total BTEX	<0.300	0.300	10/08/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	10/08/2024	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	10/08/2024	ND	198	98.8	200	2.17	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	198	99.0	200	5.53	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 86.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.0 % 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:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 31 @ 2' (H246083-31)

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	10/08/2024	ND	2.09	105	2.00	1.35		
Toluene*	<0.050	0.050	10/08/2024	ND	2.20	110	2.00	5.60		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.22	111	2.00	5.60		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.59	110	6.00	5.61		
Total BTEX	<0.300	0.300	10/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	352	16.0	10/08/2024	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	10/08/2024	ND	198	98.8	200	2.17	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	198	99.0	200	5.53	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 87.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.2 % 49.1-148

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Analytical Results For:

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

Received:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 32 @ 2' (H246083-32)

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	10/08/2024	ND	2.09	105	2.00	1.35		
Toluene*	<0.050	0.050	10/08/2024	ND	2.20	110	2.00	5.60		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.22	111	2.00	5.60		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.59	110	6.00	5.61		
Total BTEx	<0.300	0.300	10/08/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	10/08/2024	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	10/08/2024	ND	198	98.8	200	2.17	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	198	99.0	200	5.53	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 89.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.0 % 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:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 33 @ 2' (H246083-33)

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	10/08/2024	ND	2.09	105	2.00	1.35		
Toluene*	<0.050	0.050	10/08/2024	ND	2.20	110	2.00	5.60		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.22	111	2.00	5.60		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.59	110	6.00	5.61		
Total BTEx	<0.300	0.300	10/08/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	10/08/2024	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	10/08/2024	ND	202	101	200	2.49	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	168	83.9	200	12.9	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 72.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 62.1 % 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:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 34 @ 2' (H246083-34)

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	10/08/2024	ND	2.09	105	2.00	1.35		
Toluene*	<0.050	0.050	10/08/2024	ND	2.20	110	2.00	5.60		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.22	111	2.00	5.60		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.59	110	6.00	5.61		
Total BTEX	<0.300	0.300	10/08/2024	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	384	16.0	10/08/2024	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	10/08/2024	ND	202	101	200	2.49	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	168	83.9	200	12.9	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 74.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 61.8 % 49.1-148

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Analytical Results For:

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

Received:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 35 @ 2' (H246083-35)

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	10/08/2024	ND	2.09	105	2.00	1.35		
Toluene*	<0.050	0.050	10/08/2024	ND	2.20	110	2.00	5.60		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.22	111	2.00	5.60		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.59	110	6.00	5.61		
Total BTEx	<0.300	0.300	10/08/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	10/08/2024	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	10/08/2024	ND	202	101	200	2.49	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	168	83.9	200	12.9	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 76.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 62.6 % 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:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 36 @ 2' (H246083-36)

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	10/08/2024	ND	2.09	105	2.00	1.35		
Toluene*	<0.050	0.050	10/08/2024	ND	2.20	110	2.00	5.60		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.22	111	2.00	5.60		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.59	110	6.00	5.61		
Total BTEX	<0.300	0.300	10/08/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	10/08/2024	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	10/08/2024	ND	202	101	200	2.49	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	168	83.9	200	12.9	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 75.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.6 % 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:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 37 @ 2' (H246083-37)

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	10/08/2024	ND	2.09	105	2.00	1.35		
Toluene*	<0.050	0.050	10/08/2024	ND	2.20	110	2.00	5.60		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.22	111	2.00	5.60		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.59	110	6.00	5.61		
Total BTEx	<0.300	0.300	10/08/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	10/08/2024	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	10/08/2024	ND	202	101	200	2.49	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	168	83.9	200	12.9	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 74.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.0 % 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:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 38 @ 2' (H246083-38)

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	10/08/2024	ND	2.09	105	2.00	1.35		
Toluene*	<0.050	0.050	10/08/2024	ND	2.20	110	2.00	5.60		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.22	111	2.00	5.60		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.59	110	6.00	5.61		
Total BTEX	<0.300	0.300	10/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	352	16.0	10/08/2024	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	10/08/2024	ND	202	101	200	2.49	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	168	83.9	200	12.9	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 74.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 62.8 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 39 @ 2' (H246083-39)

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	10/08/2024	ND	2.09	105	2.00	1.35		
Toluene*	<0.050	0.050	10/08/2024	ND	2.20	110	2.00	5.60		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.22	111	2.00	5.60		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.59	110	6.00	5.61		
Total BTEX	<0.300	0.300	10/08/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	10/08/2024	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	10/08/2024	ND	202	101	200	2.49	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	168	83.9	200	12.9	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 70.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 58.4 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 40 @ 2' (H246083-40)

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	10/08/2024	ND	2.09	105	2.00	1.35		
Toluene*	<0.050	0.050	10/08/2024	ND	2.20	110	2.00	5.60		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.22	111	2.00	5.60		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.59	110	6.00	5.61		
Total BTEX	<0.300	0.300	10/08/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	880	16.0	10/08/2024	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	10/08/2024	ND	202	101	200	2.49	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	168	83.9	200	12.9	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 74.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 61.7 % 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:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 41 @ 2' (H246083-41)

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	10/08/2024	ND	2.09	105	2.00	1.35		
Toluene*	<0.050	0.050	10/08/2024	ND	2.20	110	2.00	5.60		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.22	111	2.00	5.60		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.59	110	6.00	5.61		
Total BTEX	<0.300	0.300	10/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	432	16.0	10/08/2024	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	10/08/2024	ND	202	101	200	2.49	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	168	83.9	200	12.9	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 73.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 61.3 % 49.1-148

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Analytical Results For:

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

Received:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 42 @ 2' (H246083-42)

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	10/08/2024	ND	2.09	105	2.00	1.35		
Toluene*	<0.050	0.050	10/08/2024	ND	2.20	110	2.00	5.60		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.22	111	2.00	5.60		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.59	110	6.00	5.61		
Total BTEx	<0.300	0.300	10/08/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	10/08/2024	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	10/08/2024	ND	202	101	200	2.49	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	168	83.9	200	12.9	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 72.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 60.7 % 49.1-148

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Analytical Results For:

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

Received:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 43 @ 2' (H246083-43)

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	10/08/2024	ND	2.09	105	2.00	1.35		
Toluene*	<0.050	0.050	10/08/2024	ND	2.20	110	2.00	5.60		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.22	111	2.00	5.60		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.59	110	6.00	5.61		
Total BTEx	<0.300	0.300	10/08/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	10/08/2024	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	10/08/2024	ND	202	101	200	2.49	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	168	83.9	200	12.9	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 71.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 60.7 % 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:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 44 @ 2' (H246083-44)

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	10/08/2024	ND	2.09	105	2.00	1.35		
Toluene*	<0.050	0.050	10/08/2024	ND	2.20	110	2.00	5.60		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.22	111	2.00	5.60		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.59	110	6.00	5.61		
Total BTEX	<0.300	0.300	10/08/2024	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	384	16.0	10/08/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2024	ND	202	101	200	2.49	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	168	83.9	200	12.9	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 69.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 59.5 % 49.1-148

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Analytical Results For:

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

Received:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 45 @ 2' (H246083-45)

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	10/08/2024	ND	2.09	105	2.00	1.35		
Toluene*	<0.050	0.050	10/08/2024	ND	2.20	110	2.00	5.60		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.22	111	2.00	5.60		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.59	110	6.00	5.61		
Total BTEX	<0.300	0.300	10/08/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	10/08/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2024	ND	202	101	200	2.49	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	168	83.9	200	12.9	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 71.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 60.1 % 49.1-148

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Analytical Results For:

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

Received:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 46 @ 2' (H246083-46)

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	10/08/2024	ND	2.16	108	2.00	1.43		
Toluene*	<0.050	0.050	10/08/2024	ND	2.19	109	2.00	0.349		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.21	111	2.00	0.697		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.54	109	6.00	0.376		
Total BTEx	<0.300	0.300	10/08/2024	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	400	16.0	10/08/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2024	ND	202	101	200	2.49	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	168	83.9	200	12.9	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 63.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 52.2 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 47 @ 2' (H246083-47)

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	10/08/2024	ND	2.16	108	2.00	1.43		
Toluene*	<0.050	0.050	10/08/2024	ND	2.19	109	2.00	0.349		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.21	111	2.00	0.697		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.54	109	6.00	0.376		
Total BTX	<0.300	0.300	10/08/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	10/08/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2024	ND	202	101	200	2.49	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	168	83.9	200	12.9	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 73.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 60.9 % 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:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 48 @ 2' (H246083-48)

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	10/08/2024	ND	2.16	108	2.00	1.43		
Toluene*	<0.050	0.050	10/08/2024	ND	2.19	109	2.00	0.349		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.21	111	2.00	0.697		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.54	109	6.00	0.376		
Total BTEx	<0.300	0.300	10/08/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	10/08/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2024	ND	202	101	200	2.49	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	168	83.9	200	12.9	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 70.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 57.8 % 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:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 49 @ 2' (H246083-49)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/08/2024	ND	2.16	108	2.00	1.43		
Toluene*	<0.050	0.050	10/08/2024	ND	2.19	109	2.00	0.349		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.21	111	2.00	0.697		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.54	109	6.00	0.376		
Total BTEX	<0.300	0.300	10/08/2024	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	496	16.0	10/08/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2024	ND	202	101	200	2.49	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	168	83.9	200	12.9	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 69.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 57.5 % 49.1-148

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Analytical Results For:

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

Received:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 50 @ 6' (H246083-50)

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	10/08/2024	ND	2.16	108	2.00	1.43		
Toluene*	<0.050	0.050	10/08/2024	ND	2.19	109	2.00	0.349		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.21	111	2.00	0.697		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.54	109	6.00	0.376		
Total BTX	<0.300	0.300	10/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	512	16.0	10/08/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2024	ND	202	101	200	2.49	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	168	83.9	200	12.9	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 81.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.2 % 49.1-148

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Analytical Results For:

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

Received:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 51 @ 6' (H246083-51)

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	10/08/2024	ND	2.16	108	2.00	1.43		
Toluene*	<0.050	0.050	10/08/2024	ND	2.19	109	2.00	0.349		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.21	111	2.00	0.697		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.54	109	6.00	0.376		
Total BTEx	<0.300	0.300	10/08/2024	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	480	16.0	10/08/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2024	ND	202	101	200	2.49	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	168	83.9	200	12.9	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 77.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.3 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 52 @ 6' (H246083-52)

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	10/08/2024	ND	2.16	108	2.00	1.43		
Toluene*	<0.050	0.050	10/08/2024	ND	2.19	109	2.00	0.349		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.21	111	2.00	0.697		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.54	109	6.00	0.376		
Total BTEx	<0.300	0.300	10/08/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	10/08/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2024	ND	202	101	200	2.49	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	168	83.9	200	12.9	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 72.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 60.0 % 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:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 53 @ 6' (H246083-53)

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	10/08/2024	ND	2.16	108	2.00	1.43		
Toluene*	<0.050	0.050	10/08/2024	ND	2.19	109	2.00	0.349		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.21	111	2.00	0.697		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.54	109	6.00	0.376		
Total BTEx	<0.300	0.300	10/08/2024	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	512	16.0	10/08/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2024	ND	192	95.8	200	3.72	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	193	96.7	200	3.15	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 78.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.3 % 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:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 54 @ 6' (H246083-54)

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	10/08/2024	ND	2.16	108	2.00	1.43		
Toluene*	<0.050	0.050	10/08/2024	ND	2.19	109	2.00	0.349		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.21	111	2.00	0.697		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.54	109	6.00	0.376		
Total BTX	<0.300	0.300	10/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	496	16.0	10/08/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2024	ND	192	95.8	200	3.72	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	193	96.7	200	3.15	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 84.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.9 % 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:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 55 @ 6' (H246083-55)

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	10/08/2024	ND	2.16	108	2.00	1.43		
Toluene*	<0.050	0.050	10/08/2024	ND	2.19	109	2.00	0.349		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.21	111	2.00	0.697		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.54	109	6.00	0.376		
Total BTEX	<0.300	0.300	10/08/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	10/08/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/08/2024	ND	192	95.8	200	3.72		
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	193	96.7	200	3.15		
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND						

Surrogate: 1-Chlorooctane 82.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.8 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 56 @ 6' (H246083-56)

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	10/08/2024	ND	2.16	108	2.00	1.43		
Toluene*	<0.050	0.050	10/08/2024	ND	2.19	109	2.00	0.349		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.21	111	2.00	0.697		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.54	109	6.00	0.376		
Total BTEx	<0.300	0.300	10/08/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	10/08/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2024	ND	192	95.8	200	3.72	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	193	96.7	200	3.15	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 75.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 65.1 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 57 @ 6' (H246083-57)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/08/2024	ND	2.16	108	2.00	1.43		
Toluene*	<0.050	0.050	10/08/2024	ND	2.19	109	2.00	0.349		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.21	111	2.00	0.697		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.54	109	6.00	0.376		
Total BTEX	<0.300	0.300	10/08/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	10/08/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/08/2024	ND	192	95.8	200	3.72		
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	193	96.7	200	3.15		
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND						

Surrogate: 1-Chlorooctane 82.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.7 % 49.1-148

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Analytical Results For:

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

Received:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 58 @ 6' (H246083-58)

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	10/08/2024	ND	2.16	108	2.00	1.43		
Toluene*	<0.050	0.050	10/08/2024	ND	2.19	109	2.00	0.349		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.21	111	2.00	0.697		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.54	109	6.00	0.376		
Total BTEX	<0.300	0.300	10/08/2024	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	400	16.0	10/08/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2024	ND	192	95.8	200	3.72	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	193	96.7	200	3.15	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 77.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.6 % 49.1-148

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Analytical Results For:

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

Received:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 59 @ 6' (H246083-59)

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	10/08/2024	ND	2.16	108	2.00	1.43		
Toluene*	<0.050	0.050	10/08/2024	ND	2.19	109	2.00	0.349		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.21	111	2.00	0.697		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.54	109	6.00	0.376		
Total BTEx	<0.300	0.300	10/08/2024	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	528	16.0	10/08/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2024	ND	192	95.8	200	3.72	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	193	96.7	200	3.15	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 75.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.1 % 49.1-148

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Analytical Results For:

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

Received:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 60 @ 6' (H246083-60)

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	10/08/2024	ND	2.16	108	2.00	1.43		
Toluene*	<0.050	0.050	10/08/2024	ND	2.19	109	2.00	0.349		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.21	111	2.00	0.697		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.54	109	6.00	0.376		
Total BTEx	<0.300	0.300	10/08/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	10/08/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2024	ND	192	95.8	200	3.72	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	193	96.7	200	3.15	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 94.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.8 % 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:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 61 @ 6' (H246083-61)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/08/2024	ND	2.16	108	2.00	1.43		
Toluene*	<0.050	0.050	10/08/2024	ND	2.19	109	2.00	0.349		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.21	111	2.00	0.697		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.54	109	6.00	0.376		
Total BTEX	<0.300	0.300	10/08/2024	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	528	16.0	10/08/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2024	ND	192	95.8	200	3.72	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	193	96.7	200	3.15	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 87.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.8 % 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:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 62 @ 6' (H246083-62)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/08/2024	ND	2.16	108	2.00	1.43		
Toluene*	<0.050	0.050	10/08/2024	ND	2.19	109	2.00	0.349		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.21	111	2.00	0.697		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.54	109	6.00	0.376		
Total BTEx	<0.300	0.300	10/08/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	10/08/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2024	ND	192	95.8	200	3.72	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	193	96.7	200	3.15	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 71.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.3 % 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:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 63 @ 6' (H246083-63)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/08/2024	ND	2.16	108	2.00	1.43		
Toluene*	<0.050	0.050	10/08/2024	ND	2.19	109	2.00	0.349		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.21	111	2.00	0.697		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.54	109	6.00	0.376		
Total BTEx	<0.300	0.300	10/08/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	10/08/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2024	ND	192	95.8	200	3.72	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	193	96.7	200	3.15	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 91.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.0 % 49.1-148

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Analytical Results For:

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

Received:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 64 @ 3' (H246083-64)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/08/2024	ND	2.16	108	2.00	1.43		
Toluene*	<0.050	0.050	10/08/2024	ND	2.19	109	2.00	0.349		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.21	111	2.00	0.697		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.54	109	6.00	0.376		
Total BTEX	<0.300	0.300	10/08/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	10/08/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2024	ND	192	95.8	200	3.72	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	193	96.7	200	3.15	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 91.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.8 % 49.1-148

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Analytical Results For:

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

Received:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 65 @ 3' (H246083-65)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/08/2024	ND	2.16	108	2.00	1.43		
Toluene*	<0.050	0.050	10/08/2024	ND	2.19	109	2.00	0.349		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.21	111	2.00	0.697		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.54	109	6.00	0.376		
Total BTEX	<0.300	0.300	10/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 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	416	16.0	10/08/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/08/2024	ND	192	95.8	200	3.72		
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	193	96.7	200	3.15		
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND						

Surrogate: 1-Chlorooctane 95.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.8 % 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:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 66 @ 3' (H246083-66)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/08/2024	ND	2.07	103	2.00	1.07		
Toluene*	<0.050	0.050	10/08/2024	ND	2.18	109	2.00	0.492		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.18	109	2.00	1.05		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.62	110	6.00	1.49		
Total BTEx	<0.300	0.300	10/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	10/08/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2024	ND	192	95.8	200	3.72	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	193	96.7	200	3.15	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 86.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.2 % 49.1-148

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Analytical Results For:

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

Received:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 67 @ 3' (H246083-67)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/08/2024	ND	2.07	103	2.00	1.07		
Toluene*	<0.050	0.050	10/08/2024	ND	2.18	109	2.00	0.492		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.18	109	2.00	1.05		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.62	110	6.00	1.49		
Total BTEx	<0.300	0.300	10/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	10/08/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2024	ND	192	95.8	200	3.72	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	193	96.7	200	3.15	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 89.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.2 % 49.1-148

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Analytical Results For:

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

Received:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 68 @ 3' (H246083-68)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/08/2024	ND	2.07	103	2.00	1.07		
Toluene*	<0.050	0.050	10/08/2024	ND	2.18	109	2.00	0.492		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.18	109	2.00	1.05		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.62	110	6.00	1.49		
Total BTEx	<0.300	0.300	10/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 124 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	10/08/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2024	ND	192	95.8	200	3.72	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	193	96.7	200	3.15	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 92.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.8 % 49.1-148

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

Received:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 69 @ 3' (H246083-69)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/08/2024	ND	2.07	103	2.00	1.07		
Toluene*	<0.050	0.050	10/08/2024	ND	2.18	109	2.00	0.492		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.18	109	2.00	1.05		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.62	110	6.00	1.49		
Total BTEX	<0.300	0.300	10/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	512	16.0	10/08/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/08/2024	ND	192	95.8	200	3.72		
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	193	96.7	200	3.15		
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND						

Surrogate: 1-Chlorooctane 84.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.9 % 49.1-148

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Analytical Results For:

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

Received:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 70 @ 3' (H246083-70)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/08/2024	ND	2.07	103	2.00	1.07		
Toluene*	<0.050	0.050	10/08/2024	ND	2.18	109	2.00	0.492		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.18	109	2.00	1.05		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.62	110	6.00	1.49		
Total BTEx	<0.300	0.300	10/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	10/08/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2024	ND	192	95.8	200	3.72	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	193	96.7	200	3.15	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 85.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.6 % 49.1-148

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Analytical Results For:

BBC International, Inc.
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Received:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 71 @ 3' (H246083-71)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/08/2024	ND	2.07	103	2.00	1.07	
Toluene*	<0.050	0.050	10/08/2024	ND	2.18	109	2.00	0.492	
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.18	109	2.00	1.05	
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.62	110	6.00	1.49	
Total BTEX	<0.300	0.300	10/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 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	464	16.0	10/08/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/08/2024	ND	192	95.8	200	3.72		
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	193	96.7	200	3.15		
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND						

Surrogate: 1-Chlorooctane 89.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.3 % 49.1-148

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Analytical Results For:

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

Received:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 72 @ 3' (H246083-72)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/08/2024	ND	2.07	103	2.00	1.07	
Toluene*	<0.050	0.050	10/08/2024	ND	2.18	109	2.00	0.492	
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.18	109	2.00	1.05	
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.62	110	6.00	1.49	
Total BTEX	<0.300	0.300	10/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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	496	16.0	10/08/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2024	ND	192	95.8	200	3.72	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	193	96.7	200	3.15	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 92.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.8 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 73 @ 3' (H246083-73)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/08/2024	ND	2.07	103	2.00	1.07	
Toluene*	<0.050	0.050	10/08/2024	ND	2.18	109	2.00	0.492	
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.18	109	2.00	1.05	
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.62	110	6.00	1.49	
Total BTEX	<0.300	0.300	10/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	400	16.0	10/08/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2024	ND	197	98.3	200	4.57	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	193	96.7	200	5.68	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 86.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.4 % 49.1-148

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Analytical Results For:

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

Received:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 74 @ 3' (H246083-74)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/08/2024	ND	2.07	103	2.00	1.07		
Toluene*	<0.050	0.050	10/08/2024	ND	2.18	109	2.00	0.492		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.18	109	2.00	1.05		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.62	110	6.00	1.49		
Total BTEX	<0.300	0.300	10/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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	272	16.0	10/08/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2024	ND	197	98.3	200	4.57	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	193	96.7	200	5.68	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 83.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.7 % 49.1-148

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Analytical Results For:

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

Received: 10/07/2024
 Reported: 10/11/2024
 Project Name: TWIN LAKES SA UNIT #027
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/03/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 75 @ 3' (H246083-75)

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	10/08/2024	ND	2.07	103	2.00	1.07	
Toluene*	<0.050	0.050	10/08/2024	ND	2.18	109	2.00	0.492	
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.18	109	2.00	1.05	
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.62	110	6.00	1.49	
Total BTX	<0.300	0.300	10/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	272	16.0	10/08/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2024	ND	197	98.3	200	4.57	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	193	96.7	200	5.68	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 85.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.1 % 49.1-148

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Analytical Results For:

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Received:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 1 @ 2' (H246083-76)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/08/2024	ND	2.07	103	2.00	1.07	
Toluene*	<0.050	0.050	10/08/2024	ND	2.18	109	2.00	0.492	
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.18	109	2.00	1.05	
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.62	110	6.00	1.49	
Total BTEX	<0.300	0.300	10/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	304	16.0	10/08/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2024	ND	197	98.3	200	4.57	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	193	96.7	200	5.68	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 85.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.0 % 49.1-148

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Analytical Results For:

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Received:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 2 @ 2' (H246083-77)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/08/2024	ND	2.07	103	2.00	1.07		
Toluene*	<0.050	0.050	10/08/2024	ND	2.18	109	2.00	0.492		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.18	109	2.00	1.05		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.62	110	6.00	1.49		
Total BTEx	<0.300	0.300	10/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	10/08/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2024	ND	197	98.3	200	4.57	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	193	96.7	200	5.68	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 85.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.4 % 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: 10/07/2024
 Reported: 10/11/2024
 Project Name: TWIN LAKES SA UNIT #027
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/03/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL 3 @ 2' (H246083-78)

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	10/08/2024	ND	2.07	103	2.00	1.07	
Toluene*	<0.050	0.050	10/08/2024	ND	2.18	109	2.00	0.492	
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.18	109	2.00	1.05	
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.62	110	6.00	1.49	
Total BTX	<0.300	0.300	10/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	304	16.0	10/08/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2024	ND	197	98.3	200	4.57	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	193	96.7	200	5.68	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 83.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.0 % 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: 10/07/2024
 Reported: 10/11/2024
 Project Name: TWIN LAKES SA UNIT #027
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/03/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL 4 @ 2' (H246083-79)

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	10/08/2024	ND	2.07	103	2.00	1.07	
Toluene*	<0.050	0.050	10/08/2024	ND	2.18	109	2.00	0.492	
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.18	109	2.00	1.05	
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.62	110	6.00	1.49	
Total BTX	<0.300	0.300	10/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 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	256	16.0	10/08/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2024	ND	197	98.3	200	4.57	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	193	96.7	200	5.68	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 74.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.7 % 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:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 5 @ 2' (H246083-80)

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	10/08/2024	ND	2.07	103	2.00	1.07		
Toluene*	<0.050	0.050	10/08/2024	ND	2.18	109	2.00	0.492		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.18	109	2.00	1.05		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.62	110	6.00	1.49		
Total BTEX	<0.300	0.300	10/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	288	16.0	10/08/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2024	ND	197	98.3	200	4.57	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	193	96.7	200	5.68	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 81.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.3 % 49.1-148

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Analytical Results For:

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

Received:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 6 @ 2' (H246083-81)

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	10/08/2024	ND	2.07	103	2.00	1.07		
Toluene*	<0.050	0.050	10/08/2024	ND	2.18	109	2.00	0.492		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.18	109	2.00	1.05		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.62	110	6.00	1.49		
Total BTEx	<0.300	0.300	10/08/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	10/08/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2024	ND	197	98.3	200	4.57	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	193	96.7	200	5.68	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 89.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.5 % 49.1-148

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Analytical Results For:

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

Received:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 7 @ 2' (H246083-82)

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	10/08/2024	ND	2.07	103	2.00	1.07		
Toluene*	<0.050	0.050	10/08/2024	ND	2.18	109	2.00	0.492		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.18	109	2.00	1.05		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.62	110	6.00	1.49		
Total BTEX	<0.300	0.300	10/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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	336	16.0	10/08/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2024	ND	197	98.3	200	4.57	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	193	96.7	200	5.68	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 88.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.8 % 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:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 8 @ 2' (H246083-83)

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	10/08/2024	ND	2.07	103	2.00	1.07		
Toluene*	<0.050	0.050	10/08/2024	ND	2.18	109	2.00	0.492		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.18	109	2.00	1.05		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.62	110	6.00	1.49		
Total BTEX	<0.300	0.300	10/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	336	16.0	10/08/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2024	ND	197	98.3	200	4.57	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	193	96.7	200	5.68	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 87.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.2 % 49.1-148

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Analytical Results For:

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

Received:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 9 @ 6' (H246083-84)

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	10/08/2024	ND	2.07	103	2.00	1.07		
Toluene*	<0.050	0.050	10/08/2024	ND	2.18	109	2.00	0.492		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.18	109	2.00	1.05		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.62	110	6.00	1.49		
Total BTEx	<0.300	0.300	10/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	10/08/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2024	ND	197	98.3	200	4.57	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	193	96.7	200	5.68	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 88.1 % 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:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 10 @ 6' (H246083-85)

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	10/08/2024	ND	2.07	103	2.00	1.07		
Toluene*	<0.050	0.050	10/08/2024	ND	2.18	109	2.00	0.492		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.18	109	2.00	1.05		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.62	110	6.00	1.49		
Total BTEx	<0.300	0.300	10/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	10/08/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2024	ND	197	98.3	200	4.57	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	193	96.7	200	5.68	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 86.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.4 % 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:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 11 @ 6' (H246083-86)

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	10/08/2024	ND	2.10	105	2.00	0.171	
Toluene*	<0.050	0.050	10/08/2024	ND	2.05	103	2.00	4.52	QR-03
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.09	104	2.00	6.10	QR-03
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.20	103	6.00	6.97	QR-03
Total BTEX	<0.300	0.300	10/08/2024	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	288	16.0	10/08/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2024	ND	197	98.3	200	4.57	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	193	96.7	200	5.68	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 83.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.2 % 49.1-148

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Analytical Results For:

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

Received:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 12 @ 6' (H246083-87)

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	10/08/2024	ND	2.10	105	2.00	0.171		
Toluene*	<0.050	0.050	10/08/2024	ND	2.05	103	2.00	4.52		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.09	104	2.00	6.10		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.20	103	6.00	6.97		
Total BTEX	<0.300	0.300	10/08/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	10/08/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2024	ND	197	98.3	200	4.57	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	193	96.7	200	5.68	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 81.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.1 % 49.1-148

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Analytical Results For:

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

Received:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 13 @ 6' (H246083-88)

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	10/08/2024	ND	2.10	105	2.00	0.171		
Toluene*	<0.050	0.050	10/08/2024	ND	2.05	103	2.00	4.52		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.09	104	2.00	6.10		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.20	103	6.00	6.97		
Total BTEX	<0.300	0.300	10/08/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	10/08/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2024	ND	197	98.3	200	4.57	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	193	96.7	200	5.68	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 83.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.4 % 49.1-148

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Analytical Results For:

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

Received: 10/07/2024
 Reported: 10/11/2024
 Project Name: TWIN LAKES SA UNIT #027
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/03/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL 14 @ 6' (H246083-89)

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	10/08/2024	ND	2.10	105	2.00	0.171	
Toluene*	<0.050	0.050	10/08/2024	ND	2.05	103	2.00	4.52	
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.09	104	2.00	6.10	
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.20	103	6.00	6.97	
Total BTX	<0.300	0.300	10/08/2024	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	336	16.0	10/08/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2024	ND	197	98.3	200	4.57	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	193	96.7	200	5.68	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 83.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.6 % 49.1-148

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Analytical Results For:

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

Received:	10/07/2024	Sampling Date:	10/03/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 15 @ 6' (H246083-90)

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	10/08/2024	ND	2.10	105	2.00	0.171	
Toluene*	<0.050	0.050	10/08/2024	ND	2.05	103	2.00	4.52	
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.09	104	2.00	6.10	
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.20	103	6.00	6.97	
Total BTX	<0.300	0.300	10/08/2024	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	288	16.0	10/08/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2024	ND	197	98.3	200	4.57	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	193	96.7	200	5.68	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 77.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.3 % 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:	10/07/2024	Sampling Date:	10/04/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 16 @ 3' (H246083-91)

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	10/08/2024	ND	2.10	105	2.00	0.171		
Toluene*	<0.050	0.050	10/08/2024	ND	2.05	103	2.00	4.52		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.09	104	2.00	6.10		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.20	103	6.00	6.97		
Total BTEX	<0.300	0.300	10/08/2024	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	352	16.0	10/08/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2024	ND	197	98.3	200	4.57	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	193	96.7	200	5.68	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 79.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.8 % 49.1-148

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Analytical Results For:

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

Received:	10/07/2024	Sampling Date:	10/04/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 17 @ 3' (H246083-92)

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	10/08/2024	ND	2.10	105	2.00	0.171		
Toluene*	<0.050	0.050	10/08/2024	ND	2.05	103	2.00	4.52		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.09	104	2.00	6.10		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.20	103	6.00	6.97		
Total BTEx	<0.300	0.300	10/08/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	10/08/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2024	ND	197	98.3	200	4.57	
DRO >C10-C28*	<10.0	10.0	10/08/2024	ND	193	96.7	200	5.68	
EXT DRO >C28-C36	<10.0	10.0	10/08/2024	ND					

Surrogate: 1-Chlorooctane 71.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.8 % 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:	10/07/2024	Sampling Date:	10/04/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 18 @ 3' (H246083-93)

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	10/08/2024	ND	2.10	105	2.00	0.171		
Toluene*	<0.050	0.050	10/08/2024	ND	2.05	103	2.00	4.52		
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.09	104	2.00	6.10		
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.20	103	6.00	6.97		
Total BTEX	<0.300	0.300	10/08/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	10/08/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/09/2024	ND	190	95.0	200	1.40	
DRO >C10-C28*	<10.0	10.0	10/09/2024	ND	185	92.5	200	5.94	
EXT DRO >C28-C36	<10.0	10.0	10/09/2024	ND					

Surrogate: 1-Chlorooctane 79.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.9 % 49.1-148

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Analytical Results For:

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

Received:	10/07/2024	Sampling Date:	10/04/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 19 @ 3' (H246083-94)

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	10/08/2024	ND	2.10	105	2.00	0.171	
Toluene*	<0.050	0.050	10/08/2024	ND	2.05	103	2.00	4.52	
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.09	104	2.00	6.10	
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.20	103	6.00	6.97	
Total BTX	<0.300	0.300	10/08/2024	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	336	16.0	10/08/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/09/2024	ND	190	95.0	200	1.40	
DRO >C10-C28*	<10.0	10.0	10/09/2024	ND	185	92.5	200	5.94	
EXT DRO >C28-C36	<10.0	10.0	10/09/2024	ND					

Surrogate: 1-Chlorooctane 81.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.1 % 49.1-148

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*=Accredited Analyte

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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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*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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 unit # 027

Project Location: New Mexico

Sampler Name: Roger Hernandez

FOR LAB USE ONLY

State: NM

Zip: 88241

Fax #: 575-397-0397

Project Owner: Oxy

Attn:

Address:

City:

State:

Zip:

Phone #:

Fax #:

P.O. #:

Company: Oxy

Attn:

Address:

City:

State:

Zip:

Phone #:

Fax #:

Lab I.D. H241083

Sample I.D.

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Page 97 of 106

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 101 East Marland, Hobbs, NM 88240
 (505) 393-2326 FAX (505) 393-2476
CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 1

Company Name: BBC International, Inc. Project Manager: Cliff Brunson Address: P.O. Box 805 City: Hobbs State: NM zip: 88241 Phone #: 575-397-6388 Fax #: 575-397-0397 Project #: Project Name: Project Location: New Mexico Sample Name:				BILL TO P.O. #: Company: Oxy Attn: Address: City: State: zip: Phone #: Fax #:				ANALYSIS REQUEST			
FOR LAB USE ONLY											
Lab I.D. H244063		Sample I.D. Bottom 11		(G)RAB OR (C)OMP # CONTAINERS		MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :		PRESERV SAMPLING			
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(505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc. Project Manager: Cliff Brunson Address: P.O. Box 805 City: Hobbs State: NM Zip: 88241 Phone #: 575-397-6388 Fax #: 575-397-0397 Project #: Project Name: Project Location: New Mexico Project Owner: Oxy				BILL TO P.O. #: Company: Oxy Attn: Address: City: State: Zip: Phone #: Fax #:				ANALYSIS REQUEST			
Sample Name: Project Location: New Mexico Project Name: Project Location: New Mexico		Sample I.D. Lab I.D.		(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :		MATRIX PRESERV SAMPLING		DATE TIME		TPH BTEX CL	
Relinquished By: Date: Time: Received By: Date: Time:		Relinquished By: Date: Time: Received By: Date: Time:		Relinquished By: Date: Time: Received By: Date: Time:		Relinquished By: Date: Time: Received By: Date: Time:		Relinquished By: Date: Time: Received By: Date: Time:		Relinquished By: Date: Time: Received By: Date: Time:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Sample Condition Cool Intact Yes <input type="checkbox"/> No <input type="checkbox"/>		CHECKED BY: (Initials)		REMARKS:		REMARKS:		REMARKS:	

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 (505) 393-2326 FAX (505) 393-2476
CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

4 of 1

Company Name: BBC International, Inc. Project Manager: Cliff Brunson Address: P.O. Box 805 City: Hobbs State: NM zip: 88241 Phone #: 575-397-6388 Fax #: 575-397-0397 Project #: Project Name: Twin Lakes SA Unit #027 Project Location: New Mexico Sample Name: Roger Hernandez <small>FOR LAB USE ONLY</small>				BILL TO P.O. #: Company: Oxy Attn: Address: City: State: zip: Phone #: Fax #:				ANALYSIS REQUEST			
Lab I.D. H246083		Sample I.D. Bottom 31 @ 2'		(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER MATRIX SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER : PRESERV SAMPLING		DATE TIME		TPH BTEX CL-			
31	Bottom	31 @ 2'	6/1	✓	✓	10-3-24	930	✓	✓		
32		32 @ 2'	6/1	✓	✓	10-3-24	935	✓	✓		
33		33 @ 2'	6/1	✓	✓	10-3-24	940	✓	✓		
34		34 @ 2'	6/1	✓	✓	10-3-24	945	✓	✓		
35		35 @ 2'	6/1	✓	✓	10-3-24	950	✓	✓		
36		36 @ 2'	6/1	✓	✓	10-3-24	1000	✓	✓		
37		37 @ 2'	6/1	✓	✓	10-3-24	1005	✓	✓		
38		38 @ 2'	6/1	✓	✓	10-3-24	1010	✓	✓		
39		39 @ 2'	6/1	✓	✓	10-3-24	1015	✓	✓		
40		40 @ 2'	6/1	✓	✓	10-3-24	1015	✓	✓		

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Relinquished By: Roger Hernandez
Date: 10-4-24
Time: 4:00
Received By: [Signature]
Date: 10-4-24
Time: [Blank]
Relinquished By: [Blank]

Delivered By: (Circle One) CE-0.6c #140
Sampler - UPS - Bus - Other: -16.0c -16.6c
Sample Condition: ☒ Cool ☐ Intact
Checked By: [Signature] (Initials)
 + Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

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



LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.										BILL TO										ANALYSIS REQUEST									
Project Manager: Cliff Brunson										P.O. #:																			
Address: P.O. Box 805										Company: Oxy																			
City: Hobbs										Attn:																			
State: NM Zip: 88241																													
Phone #: 575-397-6388										Address:																			
Fax #: 575-397-0397										City:																			
Project #: 575-397-6388										State: Zip:																			
Project Name: Twin Lakes SA Unit # 027										Phone #:																			
Project Location: New Mexico										Fax #:																			
Sample Name: Roger Hernandez										PRESERV										SAMPLING									
FOR LAB USE ONLY																													
Lab I.D.										Sample I.D.																			
Bottom 4/10/27										(G)RAB OR (C)OMP																			
41										# CONTAINERS																			
42										GROUNDWATER																			
43										WASTEWATER																			
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45										OIL																			
46										SLUDGE																			
47										OTHER :																			
48										ACID/BASE:																			
49										ICE / COOL																			
50										OTHER :																			
51										DATE										TIME									
52										10.3.24										10.20									
53										10.3.24										10.25									
54										10.3.24										10.30									
55										10.3.24										10.35									
56										10.3.24										10.40									
57										10.3.24										10.45									
58										10.3.24										10.50									
59										10.3.24										10.55									
60										10.3.24										11.00									
61										10.3.24										11.05									
62										10.3.24										11.10									
63										10.3.24										11.15									
64										10.3.24										11.20									
65										10.3.24										11.25									
66										10.3.24										11.30									
67										10.3.24										11.35									
68										10.3.24										11.40									
69										10.3.24										11.45									
70										10.3.24										11.50									
71										10.3.24										11.55									
72										10.3.24										12.00									
73										10.3.24										12.05									
74										10.3.24										12.10									
75										10.3.24										12.15									
76										10.3.24										12.20									
77										10.3.24										12.25									
78										10.3.24										12.30									
79										10.3.24										12.35									
80										10.3.24										12.40									
81										10.3.24										12.45									
82										10.3.24										12.50									
83										10.3.24										12.55									
84										10.3.24										13.00									
85										10.3.24										13.05									
86										10.3.24										13.10									
87										10.3.24										13.15									
88										10.3.24										13.20									
89										10.3.24										13.25									
90										10.3.24										13.30									
91										10.3.24										13.35									
92										10.3.24										13.40									
93										10.3.24										13.45									
94										10.3.24										13.50									
95										10.3.24										13.55									
96										10.3.24										14.00									
97										10.3.24										14.05									
98										10.3.24										14.10									
99										10.3.24										14.15									
100										10.3.24										14.20									
101										10.3.24										14.25									
102										10.3.24										14.30									
103										10.3.24										14.35									
104										10.3.24										14.40									
105										10.3.24										14.45									
106										10.3.24										14.50									
107										10.3.24										14.55									
108										10.3.24										15.00									
109										10.3.24										15.05									
110										10.3.24										15.10									
111										10.3.24										15.15									
112										10.3.24										15.20									
113										10.3.24										15.25									
114										10.3.24										15.30									
115										10.3.24										15.35									
116										10.3.24										15.40									
117										10.3.24										15.45									
118										10.3.24										15.50									
119										10.3.24										15.55									
120										10																			

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



ORDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO				ANALYSIS REQUEST			
Company Name: BBC International, Inc.				P.O. #:			
Project Manager: Cliff Brunson				Company: Oxy			
Address: P.O. Box 805		State: NM Zip: 88241		Attn:			
City: Hobbs		Phone #: 575-397-6388 Fax #: 575-397-0397		Address:			
Project #:		Project Owner: Oxy		City:			
Project Name: Twin Lakes SA unit #027		State: Zip:		Phone #:			
Project Location: New Mexico		Fax #:					
Sampler Name: Roger Hernandez		PRESERV		SAMPLING			
FOR LAB USE ONLY		MATRIX					
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	
H241083	Bortom	C 1	✓	✓	10.3.24	1110	TPH
51	51 @ 6'	C 1	✓	✓	10.3.24	1115	BTEX
52	52 @ 6'	C 1	✓	✓	10.3.24	1120	CL-
53	53 @ 6'	C 1	✓	✓	10.3.24	1125	
54	54 @ 6'	C 1	✓	✓	10.3.24	1130	
55	55 @ 6'	C 1	✓	✓	10.3.24	1135	
56	56 @ 6'	C 1	✓	✓	10.3.24	1140	
57	57 @ 6'	C 1	✓	✓	10.3.24	1145	
58	58 @ 6'	C 1	✓	✓	10.3.24	1150	
59	59 @ 6'	C 1	✓	✓	10.3.24	1155	
60	60 @ 6'	C 1	✓	✓	10.3.24	1155	

PLEASE NOTE: Liability and Damages: Cardenal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardenal within 30 days after completion of the applicable service. In no event shall Cardenal be liable for incidental or consequential damages, including lost profits, costs of investigation, 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 receipt of another such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: [Signature]	Date: 10.2.24	Received By: [Signature]	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Date:	Received By:	Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Fax #:
REMARKS:				

Delivered By: (Circle One) CF-D.E. #140	Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other: -16.0°C / 16.0°C	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	[Signature]

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.		BILL TO		ANALYSIS REQUEST									
Project Manager: Cliff Brunson		P.O. #:											
Address: P.O. Box 805		Company: Oxy											
City: Hobbs		Attn:											
State: NM Zip: 88241													
Phone #: 575-397-6388 Fax #: 575-397-0397		Address:											
Project #:		City:											
Project Name: Twin Lakes SA unit # 027		State:											
Project Location: New Mexico		Zip:											
Sample Name: Page Hernandez		Phone #:											
Fax #:													
FOR LAB USE ONLY													
Lab I.D.		Sample I.D.		<input checked="" type="radio"/> (G)RAB OR <input checked="" type="radio"/> (C)OMP		MATRIX		PRESERV		SAMPLING			
				# CONTAINERS		GROUNDWATER							
						WASTEWATER							
						SOIL							
						OIL							
						SLUDGE							
						OTHER :							
						ACID/BASE:							
						ICE / COOL							
						OTHER :							
						DATE		TIME					
4246053		Bottom		61		10.3.24		1200		TPH			
62		Bottom		62		10.3.24		100		BTEX			
63		Bottom		63		10.3.24		105		CL			
64		Bottom		64		10.3.24		110					
65		Bottom		65		10.3.24		115					
66		Bottom		66		10.3.24		120					
67		Bottom		67		10.3.24		125					
68		Bottom		68		10.3.24		130					
69		Bottom		69		10.3.24		135					
70		Bottom		70		10.3.24		140					
<small>PLEASE NOTE: Liability and Damages: Cardinal's liability and Cardinal's exclusive remedy for any claim arising whether based on contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including but not limited to lost profits, 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. Cardinal's liability shall be limited to the amount paid by the client for the analyses.</small>													
Relinquished By: Page Hernandez		Date: 10.3.24		Received By: Mariana Delgado		Phone Result:		<input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:			
Relinquished By:		Date:		Received By:		Fax Result:		<input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:			
Time:		Time:		Time:		Time:		Time:					
Delivered By: (Circle One) <u>Cardinal</u> #146		Sample Condition		CHECKED BY: (Initials)									
Sampler - UPS - Bus - Other: <u>Cardinal</u>		<input type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No									

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7 of 1



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: BBC International, Inc.

Project Manager: Cliff Brunson

Address: P.O. Box 805

City: Hobbs

Phone #: 575-397-6388

Project #:

Project Name:

Project Location: New Mexico

Sampler Name:

FOR LAB USE ONLY

P.O. #:

Company: Oxy

Attn:

Address:

City:

State: Zip:

Phone #:

Fax #:

BILL TO

ANALYSIS REQUEST

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX						DATE	TIME										
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :												
71	Bottom 71 @ 3'	C	1							10.3.24	145										
72	72 @ 3'	C	1							10.3.24	150										
73	73 @ 3'	C	1							10.3.24	155										
74	74 @ 3'	C	1							10.3.24	200										
75	75 @ 3'	C	1							10.3.24	205										
76	SIDEWALL 1 @ 2'	C	1							10.3.24	210										
77	2 @ 2'	C	1							10.3.24	215										
78	3 @ 2'	C	1							10.3.24	220										
79	4 @ 2'	C	1							10.3.24	225										
80	5 @ 2'	C	1							10.3.24	230										

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Relinquished By:

Date: 10.4.24

Received By:

Phone Result:

Yes ☐ No ☐

Add'l Phone #:

Fax Result:

Yes ☐ No ☐

Add'l Fax #:

Relinquished By:

Date: 10.4.24

Received By:

Phone Result:

Yes ☐ No ☐

Add'l Phone #:

Fax Result:

Yes ☐ No ☐

Add'l Fax #:

Delivered By: (Circle One)

Date: 10.4.24

Received By:

Phone Result:

Yes ☐ No ☐

Add'l Phone #:

Fax Result:

Yes ☐ No ☐

Add'l Fax #:

Sampler - UPS - Bus - Other:

Date: 10.4.24

Received By:

Phone Result:

Yes ☐ No ☐

Add'l Phone #:

Fax Result:

Yes ☐ No ☐

Add'l Fax #:

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.		BILL TO		ANALYSIS REQUEST									
Project Manager: Cliff Brunson		P.O. #:											
Address: P.O. Box 805		Company: Oxy											
City: Hobbs		Attn:											
State: NM		Address:											
Zip: 88241													
Phone #: 575-397-6388		City:											
Fax #: 575-397-0397		State:											
Project #:		Zip:											
Project Name: Twin Lakes SA unit # 027													
Project Location: New Mexico													
Sampler Name: Roger Hernandez		Fax #:											
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			
H244083		SIDEWALL 60 2-		C 1		1		10.3.24		235		✓	
81		7 2-		C 1		1		10.3.24		240		✓	
82		8 2-		C 1		1		10.3.24		245		✓	
83		9 2-		C 1		1		10.3.24		250		✓	
84		10 2-		C 1		1		10.3.24		255		✓	
85		11 2-		C 1		1		10.3.24		300		✓	
86		12 2-		C 1		1		10.3.24		305		✓	
87		13 2-		C 1		1		10.3.24		310		✓	
88		14 2-		C 1		1		10.3.24		315		✓	
89		15 2-		C 1		1		10.3.24		320		✓	
90													
PLEASE NOTE: Liability and Damages: Cardinal's liability and its exclusions extend only for any claim arising from the use of the services provided by Cardinal. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless filed 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 lost profits or 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, whether or not such claim is based upon any of the above stated reasons or otherwise.													
Relinquished By: <i>Don Limas</i>		Date: 10.3.24		Received By: <i>Donna Limas</i>		Date: 10.3.24		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:			
Relinquished By:		Date:		Received By:		Date:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:			
Time:		Time:		Time:		Time:		REMARKS:					
Delivered By: (Circle One) <i>Geo. Co. #140</i>		Sample Condition: <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact		CHECKED BY: <i>Geo. Co. #140</i>		Initials:							
Sampler - UPS - Bus - Other: <i>16.0.1-14.6.1</i>		Sample Condition: <input type="checkbox"/> Cool <input type="checkbox"/> Intact		CHECKED BY:		Initials:							
		Sample Condition: <input type="checkbox"/> Yes <input type="checkbox"/> No											

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LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

October 23, 2024

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: TWIN LAKES SA UNIT #027

Enclosed are the results of analyses for samples received by the laboratory on 10/17/24 14:15.

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:	10/17/2024	Sampling Date:	10/16/2024
Reported:	10/23/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #027	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 40 @ 3' (H246380-01)

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	10/20/2024	ND	2.02	101	2.00	1.60		
Toluene*	<0.050	0.050	10/20/2024	ND	2.09	105	2.00	1.90		
Ethylbenzene*	<0.050	0.050	10/20/2024	ND	2.12	106	2.00	1.77		
Total Xylenes*	<0.150	0.150	10/20/2024	ND	6.35	106	6.00	1.71		
Total BTEX	<0.300	0.300	10/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	32.0	16.0	10/21/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/21/2024	ND	238	119	200	14.0	
DRO >C10-C28*	<10.0	10.0	10/21/2024	ND	215	108	200	16.9	
EXT DRO >C28-C36	<10.0	10.0	10/21/2024	ND					

Surrogate: 1-Chlorooctane 92.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.1 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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 Sp unit # 027 Project Location: New Mexico Sampler Name: Roger Brundage		P.O. #: Company: Oxy Attn: Address: City: State: Phone #: Fax #:	
FOR LAB USE ONLY		BILL TO	
Lab I.D. H240885 Sample I.D. Bottom 40 & 3'	(G)RAB OR (C)OMP. <input checked="" type="checkbox"/>	ANALYSIS REQUEST	
MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	PRESERV <input checked="" type="checkbox"/>	SAMPLING	
DATE 10-16-24 1:20	TIME 1:20	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 analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.		REMARKS:	
Relinquished By: Roger Brundage Date: 10-16-24 Received By: Jose Centinas Date: 10-17-24 Time: 1:15 Received By: Jose Centinas Delivered By: (Circle One) UPS - Bus - Other: -S.91 #140 Sample Condition Cool <input type="checkbox"/> Yes <input type="checkbox"/> No Intact <input type="checkbox"/> Yes <input type="checkbox"/> No CHECKED BY: (Initials) JPC	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:		

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

October 09, 2024

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: TWIN LAKES BACKFILL

Enclosed are the results of analyses for samples received by the laboratory on 10/03/24 15:11.

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: 10/03/2024
 Reported: 10/09/2024
 Project Name: TWIN LAKES BACKFILL
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: BACKFILL - TWIN LAKES (H246034-01)

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	10/04/2024	ND	2.08	104	2.00	0.543		
Toluene*	<0.050	0.050	10/04/2024	ND	2.16	108	2.00	8.11		
Ethylbenzene*	<0.050	0.050	10/04/2024	ND	2.32	116	2.00	11.9		
Total Xylenes*	<0.150	0.150	10/04/2024	ND	7.11	118	6.00	13.4		
Total BTEX	<0.300	0.300	10/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	10/04/2024	ND	384	96.0	400	8.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/04/2024	ND	201	101	200	0.440	
DRO >C10-C28*	<10.0	10.0	10/04/2024	ND	190	95.2	200	0.976	
EXT DRO >C28-C36	<10.0	10.0	10/04/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

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

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*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 4 of 4



APPENDIX E

NMOCD Correspondence

From: [Buchanan, Michael, EMNRD](#)
To: [Aimee Cole](#); [Hamlet, Robert, EMNRD](#)
Cc: [Dittrich, John W](#)
Subject: RE: [EXTERNAL] Oxy USA Inc. - Extension Request - Twin Lakes SA Unit #027 Flow line Release (Incident # nAPP2405243873)
Date: Friday, September 6, 2024 10:14:35 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)

[**EXTERNAL EMAIL**]

Good morning, Aimee

The extension request for Twin Lakes #027 Flow line Release, # nAPP2405243873 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 10:24 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 #027 Flow line Release (Incident # nAPP2405243873)

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 #027 Flow line Release (Incident # nAPP2405243873).

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. The findings of the ARMS review and archaeological survey were submitted to the SLO on April 24, 2024. The SLO Cultural Resource Office provided approval to proceed with remediation activities on July 15, 2024. Oxy permitted and installed a soil boring to confirm depth to groundwater within 0.5 miles of the site on July 18, 2024.

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

From: [Hamlet, Robert, EMNRD](#)
To: [Aimee Cole](#)
Cc: [Bratcher, Michael, EMNRD](#); [Wells, Shelly, EMNRD](#); [Velez, Nelson, EMNRD](#)
Subject: Oxy USA Inc. - Extension Request - Twin Lakes Remediation Sites (6 sites)
Date: Monday, June 10, 2024 1:18:52 PM
Attachments: [image005.jpg](#)
[image006.png](#)
[image007.png](#)
[image008.png](#)
[image009.jpg](#)

You don't often get email from robert.hamlet@emnrd.nm.gov. [Learn why this is important](#)

[**EXTERNAL EMAIL**]

RE: Incident # **NAPP2405244149, NAPP2405246233, NAPP2405243873**

Aimee,

Your request for a 90 day extension to **September 9th, 2024** is approved. Please include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet • Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave. | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Monday, June 10, 2024 1:06 PM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Oxy USA Inc. - Extension Request - Twin Lakes Remediation Sites (6 sites)

Hi Rob,

I am forwarding the below to you as the last 3 incidents are yours: nAPP2405244149, nAPP2405246233, nAPP2405243873. I will be writing back to Aimee and letting her know she needs to send extension requests separately and not one big batch. I will also be replying to her about the top 3 incidents which are mine.

Shelly

From: Aimee Cole <acole@ensolum.com>

Sent: Monday, June 10, 2024 11:58 AM

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

Subject: [EXTERNAL] Oxy USA Inc. - Extension Request - Twin Lakes Remediation Sites (6 sites)

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To Whom It May Concern,

Oxy USA Inc. (Oxy) is requesting an extension of the current June 10-11, 2024, deadline for submitting a report required in 9.15.29.12.B.(1) NMAC for the below listed sites:

- Twin Lakes SA Unit #019 (Incident # nAPP2405245671)
- Twin Lakes SA Unit #028 (Incident # nAPP2405245333)
- Twin Lakes SA Unit #316 (Incident # nAPP2405244372)
- Twin Lakes SA Unit #316 Flow line Release (Incident # nAPP2405244149)
- Twin Lakes SA Unit #027 (Incident # nAPP2405246233)
- Twin Lakes SA Unit #027 Flow line Release (Incident # nAPP2405243873)

Compliance with the Cultural Properties Protection (CPP) Rule is required for the above sites since excavation activities are anticipated to encroach into undisturbed areas. An ARMS review was requested on March 13, 2024. Based on the ARMS review, archaeological pedestrian surveys were necessary. The archaeological surveys were completed by Beaver Creek Archeology on April 12, 2024. The findings of the ARMS reviews and archaeological surveys were submitted to the SLO, and are currently pending review and notice to proceed from the SLO Cultural Resource Office. Additionally, Oxy intends to drill a soil boring closer to the Twin Lakes sites to confirm depth to groundwater. The current available groundwater data is for a USGS well located between 0.9 and 1.3 miles from the Twin Lakes sites, the well is at a lower elevation, and was most recently measured >25 years ago.

In order to allow time for the SLO to review the ARMS reviews and archaeological survey information, 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



Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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

QUESTIONS

Action 417169

QUESTIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 417169
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2405243873
Incident Name	NAPP2405243873 TWIN LAKES SA UNIT #027 FLOW LINE RELEASE @ 30-005-60521
Incident Type	Oil Release
Incident Status	Reclamation Report Received
Incident Well	[30-005-60521] TWIN LAKES SAN ANDRES UNIT #027

Location of Release Source

Please answer all the questions in this group.

Site Name	TWIN LAKES SA UNIT #027 FLOW LINE RELEASE
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 417169

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 417169
	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.
<i>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.</i>	

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	False
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Historical release.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com Date: 01/06/2025
--	---

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QUESTIONS, Page 3

Action 417169

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 417169
	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 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1000 (ft.) and ½ (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan	
<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)	2480
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	40930
GRO+DRO (EPA SW-846 Method 8015M)	32100
BTEX (EPA SW-846 Method 8021B or 8260B)	25
Benzene (EPA SW-846 Method 8021B or 8260B)	0.4
<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	14000
What is the estimated volume (in cubic yards) that will be reclaimed	1400
What is the estimated surface area (in square feet) that will be remediated	14000
What is the estimated volume (in cubic yards) that will be remediated	1400
<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 417169

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 417169
	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	R360 ARTESIA LLC LANDFARM [FEEM0112340644]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	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: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com Date: 02/29/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 417169

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 417169
	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

Sante Fe Main Office
Phone: (505) 476-3441

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Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
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QUESTIONS, Page 6

Action 417169

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 417169
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	412594
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/19/2024
What was the (estimated) number of samples that were to be gathered	1
What was the sampling surface area in square feet	25

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	14765
What was the total volume (cubic yards) remediated	1600
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	14765
What was the total volume (in cubic yards) reclaimed	1600
Summarize any additional remediation activities not included by answers (above)	impacted soil was excavated to the most stringent Table I Closure Criteria and backfilled with non-waste containing soil.

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

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

I hereby agree and sign off to the above statement	Name: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com Date: 01/06/2025
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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, Page 7

Action 417169

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 417169
	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	14765
What was the total volume of replacement material (in cubic yards) for this site	1600
<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 reseeded commence(d)	03/20/2025
Summarize any additional reclamation activities not included by answers (above)	NA
<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 reseeded 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: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com Date: 01/06/2025

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QUESTIONS, Page 8

Action 417169

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 417169
	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>	

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Santa Fe, NM 87505

CONDITIONS

Action 417169

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 417169
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By	Condition	Condition Date
crystal.walker	Operator failed to provide proper Sampling Notification pursuant to 19.15.29.12.D.(1).(a) NMAC. Failure to provide proper sampling notice is a compliance issue and the OCD may pursue compliance actions pursuant to 19.15.5 NMAC. Operator shall ensure future compliance with 19.15.29.12.D.(1).(a) NMAC.	1/9/2025
crystal.walker	A revegetation report will not be accepted until revegetation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	1/9/2025
crystal.walker	The revegetation report has been approved pursuant to 19.15.29.13 E. NMAC. The acceptance of this 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; or if the location fails to revegetate properly. In addition, the OCD approval does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.	1/9/2025