

Closure Report

NAPP2126753999

Site Description

Site Name:	AVOGATO 30 31 ST COM 0021H
Company:	OXY
Legal Description:	U/L: C, SECTION 30, T22S, R33E
County:	LEA COUNTY, NM
GPS Coordinates:	N32.368936 W-103.615421

Release Data

Date of Release:	9/15/2021
Type of Release:	CRUDE OIL/ PRODUCED WATER
Source of Release:	POLY LINE FAILURE " ON LOCATION "
Volume of Release:	20 BBLS CRUDE OIL/ 95 BBLS PRODUCED WATER
Volume Recovered:	0 BBLS CRUDE OIL/ 20 BBLS PRODUCED WATER

Remediation Specifications

Remediation Parameters	The leak area (BLUE shade on diagram) was excavated to a depth of 3 feet. The leak area (WHITE shade on diagram) was excavated to a depth of 2 feet. OXY collected sidewall and bottom confirmation samples every 200 square feet.
Remediation Activities:	3-3-22 - 4-14-22, 5-16-22 - 5-23-22

Plan Sent to OCD:		FROM CLIFF TO NM AND WADE
OCD Approval of Plan:		FROM @STATE.NM.US TO WADE AND CLIFF
Plan Sent to BLM:		
BLM Approval of Plan:		

Supporting Documentation

C 141 PAGE 6		
SITE DIAGRAM	GOOGLE EARTH MAP WITH CONFIRMATION SAMPLES	
PICTURES	CLOSURE PICTURES	
LAB SUMMARY	CLOSURE SAMPLES	
LAB ANALYSIS	CLOSURE SAMPLES	
Sample Notification	4/18/22, 5/4/22	

Request for Closure

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

Cliff Brunson, President of BBC International Inc.

5/20/2022

Form C-141

Page 6

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2126753999
District RP	
Facility ID	
Application ID	

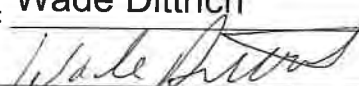
Closure

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

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

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

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

Printed Name: Wade Dittrich Title: Environmental Coordinator
Signature:  Date: 5-17-22
email: wade_dittrich@oxy.com Telephone: (575) 390-2828

OCD Only

Received by: _____ Date: _____

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

Closure Approved by:  Date: 05/31/2022
Printed Name: Jennifer Nobui Title: Environmental Specialist A

From: [Hamlet, Robert, EMNRD](#)
To: [Cliff Brunson](#)
Cc: ["Wade Dittrich"](#); ["Ken Swinney"](#); ["Jennifer Gilkey"](#); [Kathy Sweeney](#); [Bratcher, Mike, EMNRD](#); [Nobui, Jennifer, EMNRD](#); [Harimon, Jocelyn, EMNRD](#)
Subject: (Extension Denied) - OXY - Avogato 30-31 St Com 0021H (Incident ID (NAPP2126753999)
Date: Monday, May 16, 2022 3:46:02 PM

RE: Incident #NAPP2126753999

Cliff,

An extension for this release has already been granted. Your request for another extension is **denied**. Include this e-mail correspondence in the remediation and/or closure report.

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



From: Cliff Brunson <cbrunson@bbcinternational.com>
Sent: Monday, May 16, 2022 3:20 PM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>
Cc: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; 'Wade Dittrich' <Wade_Dittrich@oxy.com>; 'Ken Swinney' <kswinney@bbcinternational.com>; 'Jennifer Gilkey' <jgilkey@bbcinternational.com>; Kathy Sweeney <kathys@bbcinternational.com>
Subject: [EXTERNAL] OXY - Avogato 30-31 St Com 0021H (Incident ID (n#) nAPP2126753999)- Closure Extension request

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

Oxy is requesting an extension to the Closure Due date of 5/23/22 for the Avogato 30-31 St Com 0021H (Incident # nAPP2126753999). BBC has been working on this site (see attached pictures) and we had to excavate additional material after conducting some sampling that did not meet closure requirements. With the additional excavation required and the additional confirmation sampling event, we have been delayed, but are now in the process of backfilling this site, however, we anticipate that we will not be able to submit a closure report by 5/23/22. Therefore, Oxy is requesting an additional 30 days to complete the closure of this site.

If you have any questions, please let me or Wade know.

Thanks, Cliff

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



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From: [Cliff Brunson](#)
To: ["Enviro. OCD, EMNRD"](#)
Cc: ["Wade Dittrich"](#); ["Ken Swinney"](#); ["Jennifer Gilkey"](#); ["Julia French"](#)
Subject: OXY - Avogato 30 31 St Com 0021H - Confirmation Sampling Notification
Date: Wednesday, May 4, 2022 4:24:38 PM

This is a notification that BBC will conduct confirmation sampling on behalf of OXY at the Avogato 30 31 St Com 0021H (Incident ID # nAPP2126753999) on Monday, May 9, 2022 at 10:30 a.m.

Cliff P. Brunson, CEI, CRS
President
BBC International, Inc.
World-Wide Environmental Specialists
Mailing Address:
P. O. Box 805
Hobbs, NM 88241-0805 USA
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From: [Hamlet, Robert, EMNRD](#)
To: [Cliff Brunson](#)
Cc: ["Wade Dittrich"](#); ["Ken Swinney"](#); ["Jennifer Gilkey"](#); ["Julia French"](#); [Bratcher, Mike, EMNRD](#); [Nobui, Jennifer, EMNRD](#); [Harimon, Jocelyn, EMNRD](#)
Subject: RE: [EXTERNAL] OXY - Avogato 30 31 St Com 0021H - Confirmation Sampling Notification
Date: Thursday, May 5, 2022 7:30:40 AM

Cliff,

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

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



From: Enviro, OCD, EMNRD <OCD.Enviro@state.nm.us>
Sent: Wednesday, May 4, 2022 4:27 PM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@state.nm.us>
Subject: Fw: [EXTERNAL] OXY - Avogato 30 31 St Com 0021H - Confirmation Sampling Notification

From: Cliff Brunson <cbrunson@bbcinternational.com>
Sent: Wednesday, May 4, 2022 4:24 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@state.nm.us>
Cc: 'Wade Dittrich' <Wade_Dittrich@oxy.com>; 'Ken Swinney' <kswinney@bbcinternational.com>; 'Jennifer Gilkey' <jgilkey@bbcinternational.com>; 'Julia French' <julia@bbcinternational.com>
Subject: [EXTERNAL] OXY - Avogato 30 31 St Com 0021H - Confirmation Sampling Notification

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From: [Cliff Brunson](#)
To: ["Rob Hamlet"](#); ["Enviro. OCD. EMNRD"](#)
Cc: ["Mike Bratcher"](#); ["Wade Dittrich"](#); ["Ken Swinney"](#); ["Jennifer Gilkey"](#); ["Julia French"](#)
Subject: OXY - Avogato 30-31 St Com 0021H (Incident ID (n#) nAPP2126753999)- Closure Extension request
Date: Tuesday, April 19, 2022 5:42:22 PM
Attachments: [Avogato 30 31 St Com 0021H - remediation pictures 4-18-22.pdf](#)

Rob,

Oxy is requesting an extension to the Closure Due date of 4/23/22 for the Avogato 30-31 St Com 0021H (Incident # nAPP2126753999). Chad's approval email for the remediation plan is below. BBC has been working on this site (see attached pictures), but we have had to return to excavate additional material after conducting some sampling that did not meet closure requirements. With the additional excavation required, we anticipate that we will not be able to submit a closure report by 4/23/22. Therefore, Oxy is requesting an additional 30 days to complete the closure of this site.

In addition, there was an error in the depth of water information submitted in the workplan that was reviewed. Although, the water information in this area is not available within a ½ mile radius, it is known that the water in this area is not the 8 feet depth that was referenced in the approval email. We believe the number 8 came from the information submitted from the USGS that indicated the well has been gauged 8 times. We apologize for the error.

If you have any questions, please let me or Wade know.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS
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From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>

Sent: Tuesday, February 22, 2022 11:51 AM

To: Dittrich, John W <Wade_Dittrich@oxy.com>

Subject: [EXTERNAL] The Oil Conservation Division (OCD) has approved the application, Application ID: 79320

WARNING - This message is from an EXTERNAL SENDER - be CAUTIOUS, particularly with links and attachments.

To whom it may concern (c/o Wade Dittrich for OXY USA INC),

The OCD has approved the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2126753999, with the following conditions:

- **With the depth to water at 8ft bgs, the request for 90 days to remediate the site is modified to 60 days. Closure due 04/22/2022.**

The signed C-141 can be found in the OCD Online: Imaging under the incident ID (n#).

If you have any questions regarding this application, please contact me.

Thank you,
Chad Hensley
Environmental Science & Specialist
575-703-1723
Chad.Hensley@state.nm.us

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

From: [Hamlet, Robert, EMNRD](#)
To: [Cliff Brunson](#)
Cc: ["Wade Dittrich"](#); ["Ken Swinney"](#); ["Jennifer Gilkey"](#); ["Julia French"](#); [Bratcher, Mike, EMNRD](#); [Nobui, Jennifer, EMNRD](#)
Subject: RE: [EXTERNAL] OXY - Avogato 30-31 St Com 0021H (Incident ID (n#) nAPP2126753999)- Closure Extension request
Date: Wednesday, April 20, 2022 8:37:05 AM

RE: Incident #**NAPP2126753999**

Cliff,

Your request for an extension to **May 23rd, 2022** 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
811 S. First Street | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



From: Cliff Brunson <cbrunson@bbcinational.com>
Sent: Tuesday, April 19, 2022 5:41 PM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Enviro, OCD, EMNRD <OCD.Enviro@state.nm.us>
Cc: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; 'Wade Dittrich' <Wade_Dittrich@oxy.com>; 'Ken Swinney' <kswinney@bbcinational.com>; 'Jennifer Gilkey' <jgilkey@bbcinational.com>; 'Julia French' <julia@bbcinational.com>
Subject: [EXTERNAL] OXY - Avogato 30-31 St Com 0021H (Incident ID (n#) nAPP2126753999)- Closure Extension request

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Chad Hensley
Environmental Science & Specialist
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Chad.Hensley@state.nm.us

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

From: [Cliff Brunson](#)
To: ["Rob Hamlet"](#); ["Nobui, Jennifer, EMNRD"](#)
Cc: ["Mike Bratcher"](#); ["Wade Dittrich"](#); ["Ken Swinney"](#); ["Jennifer Gilkey"](#); [Kathy Sweeney](#)
Subject: OXY - Avogato 30-31 St Com 0021H (Incident ID (n#) nAPP2126753999)- Closure Extension request
Date: Monday, May 16, 2022 3:19:16 PM
Attachments: [Avogato 30-31 St Com 0021H-Remediation Pictures.pdf](#)

Oxy is requesting an extension to the Closure Due date of 5/23/22 for the Avogato 30-31 St Com 0021H (Incident # nAPP2126753999). BBC has been working on this site (see attached pictures) and we had to excavate additional material after conducting some sampling that did not meet closure requirements. With the additional excavation required and the additional confirmation sampling event, we have been delayed, but are now in the process of backfilling this site, however, we anticipate that we will not be able to submit a closure report by 5/23/22. Therefore, Oxy is requesting an additional 30 days to complete the closure of this site.

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








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AVOGATO 30-31 ST COM 0021H

LEAK DATE 9/10/21
ID#nAPP2126753999
LEA CO., NM

Legend








-  2 FT EXCAVATION
-  3 FT EXCAVATION
-  ADDITIONAL BOTTOM CONFIRMATION SAMPLE POINTS
-  ADDITIONAL SIDEWALL CONFIRMATION SAMPLE POINTS
-  BOTTOM CONFIRMATION SAMPLE POINTS
-  LEAK AREA
-  SIDEWALL CONFIRMATION SAMPLE POINTS



AVOGATO 30-31 ST COM 0021H

LEAK DATE 9/10/21
ID#nAPP2126753999
LEA CO., NM

Legend








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-  BOTTOM CONFIRMATION SAMPLE POINTS
-  LEAK AREA
-  SIDEWALL CONFIRMATION SAMPLE POINTS

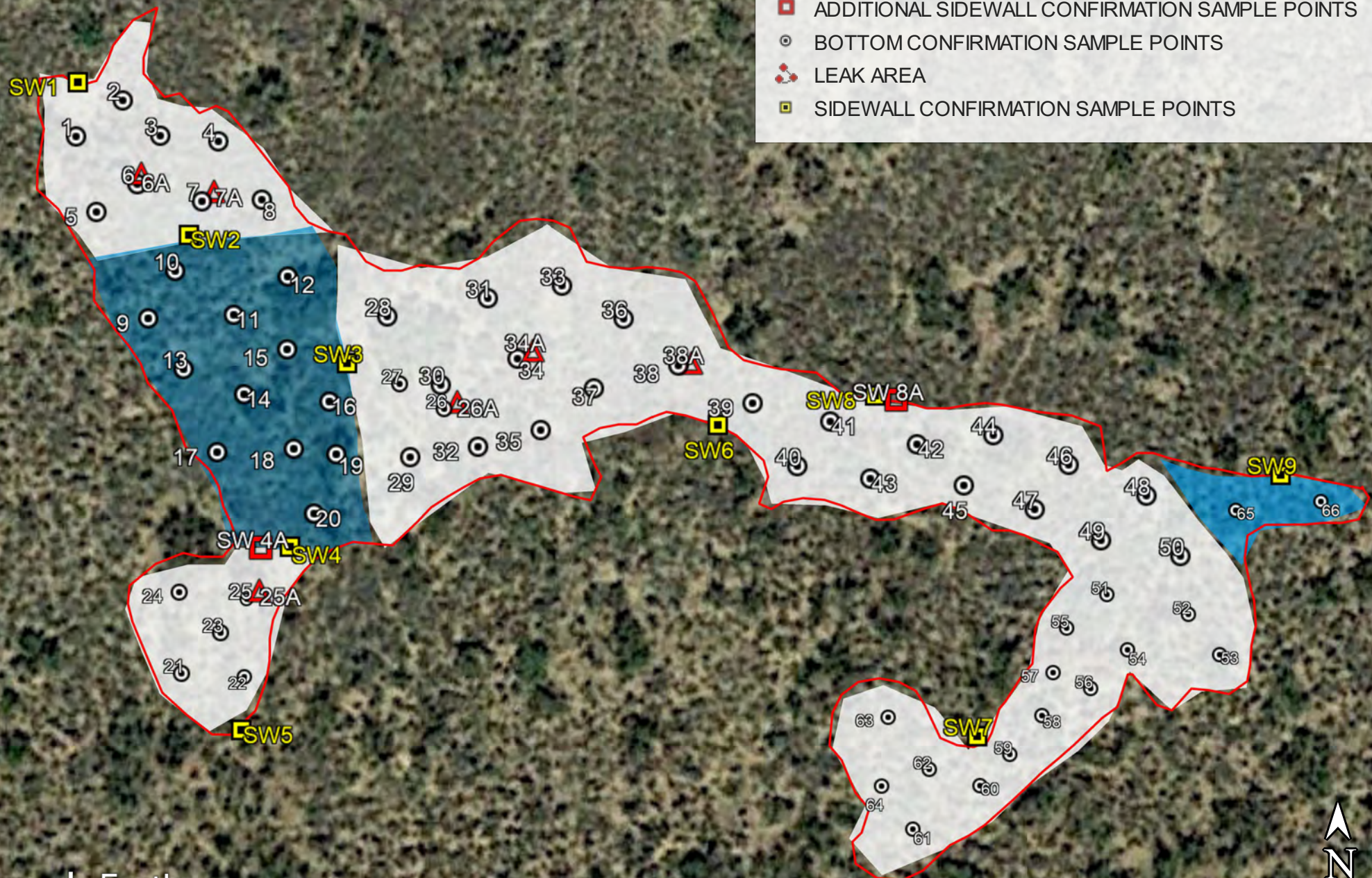


AVOGATO 30-31 ST COM 0021H

LEAK DATE 9/10/21
ID#nAPP2126753999
LEA CO., NM

Legend

-  2 FT EXCAVATION
-  3 FT EXCAVATION
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-  ADDITIONAL SIDEWALL CONFIRMATION SAMPLE POINTS
-  BOTTOM CONFIRMATION SAMPLE POINTS
-  LEAK AREA
-  SIDEWALL CONFIRMATION SAMPLE POINTS



Google Earth

100 ft

AVOGATO 30-31 ST COM 0021H (9/10/21)

SIDEWALL 1	N32.369315	W-103.615775
SIDEWALL 2	N32.369203	W-103.615702
SIDEWALL 3	N32.369158	W-103.615597
SIDEWALL 4	N32.369056	W-103.615633
SIDEWALL 5	N32.368955	W-103.615665
SIDEWALL 6	N32.369124	W-103.615352
SIDEWALL 7	N32.368951	W-103.615182
SIDEWALL 8	N32.369140	W-103.615248
SIDEWALL 9	N32.369096	W-103.614980

BS1 @ 2'	N32.369285	W-103.615776
BS2 @ 2'	N32.369305	W-103.615746
BS3 @ 2'	N32.369285	W-103.615721
BS4 @ 2'	N32.369282	W-103.615682
BS5 @ 2''	N32.369242	W-103.615762
BS6 @ 2'	N32.369258	W-103.615736
BS7 @ 2'	N32.369248	W-103.615693
BS8 @ 2'	N32.369249	W-103.615654
BS9 @ 3'	N32.369183	W-103.615728
BS10 @ 3'	N32.369209	W-103.615710
BS11 @ 3'	N32.369185	W-103.615672
BS12 @ 3'	N32.369206	W-103.615637
BS13@ 3'	N32.369155	W-103.615704
BS14@ 3'	N32.369141	W-103.615665
BS15@ 3'	N32.369166	W-103.615637
BS 16@ 3'	N32.369137	W-103.615609
BS17@ 3'	N32.369108	W-103.615682
BS18@ 3'	N32.369110	W-103.615632

AVOGATO 30-31 ST COM 0021H (9/10/21)

BS 19@ 3'	N32.369107	W-103.615604
BS 20@ 3'	N32.369074	W-103.615618
BS 21@ 2'	N32.368986	W-103.615704
BS 22@ 2'	N32.368984	W-103.615663
BS 23@ 2'	N32.369009	W-103.615679
BS 24 @ 2'	N32.369031	W-103.615706
BS 25 @ 2'	N32.369027	W-103.615662
BS 26 @ 2'	N32.369132	W-103.615533
BS 27 @ 2'	N32.369146	W-103.615563
BS 28 @ 2'	N32.369184	W-103.615571
BS 29 @ 2'	N32.369106	W-103.615555
BS 30 @ 2'	N32.369146	W-103.615535
BS 31 @ 2'	N32.369194	W-103.615504
BS 32 @ 2'	N32.369111	W-103.615510
BS 33 @ 2'	N32.369201	W-103.615455
BS 34 @ 2'	N32.369161	W-103.615485
BS 35 @ 2'	N32.369121	W-103.615469
BS 36 @ 2'	N32.369183	W-103.615415
BS 37 @ 2'	N32.369144	W-103.615434
BS 38 @ 2'	N32.369157	W-103.615378
BS 39 @ 2'	N32.368136	W-103.615329
BS 40 @ 2'	N32.369101	W-103.615300
BS 41 @ 2'	N32.369125	W-103.615278
BS 42 @ 2'	N32.369113	W-103.615221
BS 43 @ 2'	N32.369094	W-103.615252
BS 44 @ 2'	N32.369118	W-103.615170
BS 45 @ 2'	N32.369090	W-103.615190
BS 46 @ 2'	N32.369101	W-103.615120
BS 47 @ 2'	N32.369076	W-103.615143

AVOGATO 30-31 ST COM 0021H (9/10/21)

BS 48 @ 2'	N32.369084	W-103.615069
BS 49 @ 2'	N32.369059	W-103.615099
BS 50 @ 2'	N32.369050	W-103.615047
BS 51 @ 2'	N32.3690249	W-103.615096
BS 52 @ 2'	N32.369018	W-103.615042
BS 53 @ 2'	N32.368995	W-103.615022
BS 54 @ 2'	N32.368998	W-103.615082
BS 55 @ 2'	N32.369010	W-103.615122
BS 56 @ 2'	N32.368977	W-103.615107
BS 57 @ 2'	N32.368986	W-103.615132
BS 58 @ 2'	N32.368962	W-103.615139
BS 59 @ 2'	N32.368941	W-103.615161
BS 60 @ 2'	N32.368924	W-103.615181
BS 61 @ 2'	N32.368985	W-103.615227
BS 62 @ 2'	N32.368933	W-103.615214
BS 63 @ 2'	N32.368961	W-103.615241
BS 64 @ 2'	N32.368927	W-103.615245
BS 65 @ 3'	N32.369076	W-103.615010
BS 66 @ 3'	N32.369081	W-103.614953

5/9/2022

BS 6A @ 3'	N32.369263	W-103.615734
BS 7A @ 3'	N32.369253	W-103.615686
BS 25A @ 3'	N32.369031	W-103.615654
BS 26A @ 3'	N32.369136	W-103.615525
BS 34A @ 3'	N32.369164	W-103.615475
BS 38A @ 3'	N32.369157	W-103.615370
SW 4A	N32.369055	W-103.615653
SW 8A	N32.369137	W-103.615235

AVOGATO 30-31 ST COM 0021H

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[illegible][illegible][illegible]

		Sample ID	61 BS @ 2'	62 BS @ 2'	63 BS @ 2'	64 BS @ 2'	65 BS @ 3'	66 BS @ 3'
Analyte	Method	Date	4/21/22	4/21/22	4/21/22	4/21/22	4/21/22	4/21/22
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		352	432	304	528	400	368
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	12.2	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	14.6	12.0

		Sample ID	SIDEWALL 1	SIDEWALL 2	SIDEWALL 3	SIDEWALL 4	SIDEWALL 5	SIDEWALL 6	SIDEWALL 7	SIDEWALL 8	SIDEWALL 9
Analyte	Method	Date	4/21/22	4/21/22	4/21/22	4/21/22	4/21/22	4/21/22	4/21/22	4/21/22	4/21/22
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		128	192	144	688	160	112	416	608	576
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

		Sample ID	BS 6 A @3'	BS 7 A @ 3'	BS 25A @3'	BS 26 @3'	BS 34@3'	BS 38A@3'	SW 4A	SW 8A
Analyte	Method	Date	5/9/22	5/9/22	5/9/22	5/9/22	5/9/22	5/9/22	5/9/22	5/9/22
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		48	64	48	48	64	32	48	48
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0



AVOGATO 30-31 ST COM (9/10/21)





AVOGATO 30-31 ST COM (9/10/21)





AVOGATO 30-31 ST COM (9/10/21)





AVOGATO 30-31 ST COM (9/10/21)





AVOGATO 30-31 ST COM (9/10/21)



AVOGATO 30-31 ST COM (9/10/21)





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

April 27, 2022

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: AVAGATO 30-31 COM 0021H

Enclosed are the results of analyses for samples received by the laboratory on 04/22/22 16:50.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive 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:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 1 @ 2' (H221673-01)

BTEX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2022	ND	2.07	104	2.00	8.12		
Toluene*	<0.050	0.050	04/25/2022	ND	2.06	103	2.00	7.68		
Ethylbenzene*	<0.050	0.050	04/25/2022	ND	1.98	98.9	2.00	8.15		
Total Xylenes*	<0.150	0.150	04/25/2022	ND	6.18	103	6.00	8.32		
Total BTEX	<0.300	0.300	04/25/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	04/25/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	208	104	200	5.72	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	223	112	200	2.13	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 80.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 73.7 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 2 @ 2' (H221673-02)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2022	ND	2.07	104	2.00	8.12		
Toluene*	<0.050	0.050	04/25/2022	ND	2.06	103	2.00	7.68		
Ethylbenzene*	<0.050	0.050	04/25/2022	ND	1.98	98.9	2.00	8.15		
Total Xylenes*	<0.150	0.150	04/25/2022	ND	6.18	103	6.00	8.32		
Total BTEx	<0.300	0.300	04/25/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	04/25/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/25/2022	ND	207	103	200	3.69	
DRO >C10-C28*	<10.0	10.0	04/25/2022	ND	196	97.8	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	04/25/2022	ND					

Surrogate: 1-Chlorooctane 90.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 90.5 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 3 @ 2' (H221673-03)

BTX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	9.39	QR-03	
Toluene*	<0.050	0.050	04/26/2022	ND	2.13	107	2.00	9.45		
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.10	105	2.00	9.09		
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.46	108	6.00	8.33		
Total BTX	<0.300	0.300	04/26/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	04/25/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/25/2022	ND	207	103	200	3.69		
DRO >C10-C28*	<10.0	10.0	04/25/2022	ND	196	97.8	200	3.96		
EXT DRO >C28-C36	<10.0	10.0	04/25/2022	ND						

Surrogate: 1-Chlorooctane 83.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 83.7 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 4 @ 2' (H221673-04)

BTX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	9.39	
Toluene*	<0.050	0.050	04/26/2022	ND	2.13	107	2.00	9.45	
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.10	105	2.00	9.09	
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.46	108	6.00	8.33	
Total BTX	<0.300	0.300	04/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	04/25/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	207	103	200	3.69	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	196	97.8	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 91.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 90.1 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 5 @ 2' (H221673-05)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	9.39		
Toluene*	<0.050	0.050	04/26/2022	ND	2.13	107	2.00	9.45		
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.10	105	2.00	9.09		
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.46	108	6.00	8.33		
Total BTEx	<0.300	0.300	04/26/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	04/25/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	207	103	200	3.69	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	196	97.8	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 90.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 90.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 6 @ 2' (H221673-06)

BTX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	9.39	
Toluene*	<0.050	0.050	04/26/2022	ND	2.13	107	2.00	9.45	
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.10	105	2.00	9.09	
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.46	108	6.00	8.33	
Total BTX	<0.300	0.300	04/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	04/25/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	207	103	200	3.69	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	196	97.8	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 96.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 94.2 % 59.5-142

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Analytical Results For:

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

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 7 @ 2' (H221673-07)

BTX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	9.39	
Toluene*	<0.050	0.050	04/26/2022	ND	2.13	107	2.00	9.45	
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.10	105	2.00	9.09	
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.46	108	6.00	8.33	
Total BTX	<0.300	0.300	04/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	04/25/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	207	103	200	3.69	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	196	97.8	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 96.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 97.3 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 8 @ 2' (H221673-08)

BTX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	9.39	
Toluene*	<0.050	0.050	04/26/2022	ND	2.13	107	2.00	9.45	
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.10	105	2.00	9.09	
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.46	108	6.00	8.33	
Total BTX	<0.300	0.300	04/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	04/25/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	207	103	200	3.69	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	196	97.8	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 90.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 90.4 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 9 @ 3' (H221673-09)

BTX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	9.39	
Toluene*	<0.050	0.050	04/26/2022	ND	2.13	107	2.00	9.45	
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.10	105	2.00	9.09	
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.46	108	6.00	8.33	
Total BTX	<0.300	0.300	04/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	04/25/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	207	103	200	3.69	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	196	97.8	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 88.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 90.4 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 10 @ 3' (H221673-10)

BTX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	9.39	
Toluene*	<0.050	0.050	04/26/2022	ND	2.13	107	2.00	9.45	
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.10	105	2.00	9.09	
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.46	108	6.00	8.33	
Total BTX	<0.300	0.300	04/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	04/25/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	207	103	200	3.69	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	196	97.8	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 84.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 83.9 % 59.5-142

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Analytical Results For:

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

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 11 @ 3' (H221673-11)

BTX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	9.39		
Toluene*	<0.050	0.050	04/26/2022	ND	2.13	107	2.00	9.45		
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.10	105	2.00	9.09		
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.46	108	6.00	8.33		
Total BTX	<0.300	0.300	04/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	04/25/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	207	103	200	3.69	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	196	97.8	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 90.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 87.1 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 12 @ 3' (H221673-12)

BTX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	9.39	
Toluene*	<0.050	0.050	04/26/2022	ND	2.13	107	2.00	9.45	
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.10	105	2.00	9.09	
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.46	108	6.00	8.33	
Total BTX	<0.300	0.300	04/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	04/25/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	207	103	200	3.69	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	196	97.8	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 101 % 66.9-136

Surrogate: 1-Chlorooctadecane 101 % 59.5-142

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Analytical Results For:

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

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 13 @ 3' (H221673-13)

BTX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	9.39		
Toluene*	<0.050	0.050	04/26/2022	ND	2.13	107	2.00	9.45		
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.10	105	2.00	9.09		
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.46	108	6.00	8.33		
Total BTX	<0.300	0.300	04/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	576	16.0	04/25/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	207	103	200	3.69	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	196	97.8	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 94.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 94.5 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 14 @ 3' (H221673-14)

BTX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	9.39	
Toluene*	<0.050	0.050	04/26/2022	ND	2.13	107	2.00	9.45	
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.10	105	2.00	9.09	
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.46	108	6.00	8.33	
Total BTX	<0.300	0.300	04/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	04/25/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	207	103	200	3.69	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	196	97.8	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 92.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 90.8 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 15 @ 3' (H221673-15)

BTX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	9.39	
Toluene*	<0.050	0.050	04/26/2022	ND	2.13	107	2.00	9.45	
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.10	105	2.00	9.09	
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.46	108	6.00	8.33	
Total BTX	<0.300	0.300	04/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	04/25/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	207	103	200	3.69	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	196	97.8	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 96.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 97.6 % 59.5-142

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Analytical Results For:

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

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 16 @ 3' (H221673-16)

BTX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	9.39		
Toluene*	<0.050	0.050	04/26/2022	ND	2.13	107	2.00	9.45		
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.10	105	2.00	9.09		
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.46	108	6.00	8.33		
Total BTX	<0.300	0.300	04/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	04/25/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	207	103	200	3.69	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	196	97.8	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 88.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 89.3 % 59.5-142

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Analytical Results For:

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

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 17 @ 3' (H221673-17)

BTX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	9.39	
Toluene*	<0.050	0.050	04/26/2022	ND	2.13	107	2.00	9.45	
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.10	105	2.00	9.09	
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.46	108	6.00	8.33	
Total BTX	<0.300	0.300	04/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	04/25/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	207	103	200	3.69	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	196	97.8	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 85.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 87.5 % 59.5-142

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Analytical Results For:

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

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 18 @ 3' (H221673-18)

BTX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	9.39	
Toluene*	<0.050	0.050	04/26/2022	ND	2.13	107	2.00	9.45	
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.10	105	2.00	9.09	
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.46	108	6.00	8.33	
Total BTX	<0.300	0.300	04/26/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	04/25/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	207	103	200	3.69	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	196	97.8	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 83.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 84.8 % 59.5-142

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Analytical Results For:

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

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 19 @ 3' (H221673-19)

BTX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	9.39		
Toluene*	<0.050	0.050	04/26/2022	ND	2.13	107	2.00	9.45		
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.10	105	2.00	9.09		
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.46	108	6.00	8.33		
Total BTX	<0.300	0.300	04/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	04/25/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	207	103	200	3.69	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	196	97.8	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 88.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 89.5 % 59.5-142

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Analytical Results For:

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

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 20 @ 3' (H221673-20)

BTX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	9.39	
Toluene*	<0.050	0.050	04/26/2022	ND	2.13	107	2.00	9.45	
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.10	105	2.00	9.09	
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.46	108	6.00	8.33	
Total BTX	<0.300	0.300	04/26/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	04/25/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	207	103	200	3.69	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	196	97.8	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 83.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 85.9 % 59.5-142

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Analytical Results For:

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

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 21 @ 2' (H221673-21)

BTX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	9.39		
Toluene*	<0.050	0.050	04/26/2022	ND	2.13	107	2.00	9.45		
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.10	105	2.00	9.09		
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.46	108	6.00	8.33		
Total BTX	<0.300	0.300	04/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	04/25/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	207	103	200	3.69	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	196	97.8	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 76.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 76.3 % 59.5-142

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Analytical Results For:

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

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 22 @ 2' (H221673-22)

BTX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	9.39		
Toluene*	<0.050	0.050	04/26/2022	ND	2.13	107	2.00	9.45		
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.10	105	2.00	9.09		
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.46	108	6.00	8.33		
Total BTX	<0.300	0.300	04/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	04/25/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/25/2022	ND	217	109	200	6.32	
DRO >C10-C28*	<10.0	10.0	04/25/2022	ND	235	118	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	04/25/2022	ND					

Surrogate: 1-Chlorooctane 78.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 87.9 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 23 @ 2' (H221673-23)

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	04/26/2022	ND	2.13	106	2.00	4.77		
Toluene*	<0.050	0.050	04/26/2022	ND	2.13	107	2.00	2.88		
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	3.50		
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.34	106	6.00	3.17		
Total BTEx	<0.300	0.300	04/26/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	04/25/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	217	109	200	6.32	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	235	118	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 92.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 104 % 59.5-142

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Analytical Results For:

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

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 24 @ 2' (H221673-24)

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	04/26/2022	ND	2.13	106	2.00	4.77		
Toluene*	<0.050	0.050	04/26/2022	ND	2.13	107	2.00	2.88		
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	3.50		
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.34	106	6.00	3.17		
Total BTEx	<0.300	0.300	04/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	04/25/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	217	109	200	6.32	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	235	118	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 99.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 112 % 59.5-142

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Analytical Results For:

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Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 25 @ 2' (H221673-25)

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	04/26/2022	ND	2.13	106	2.00	4.77		
Toluene*	<0.050	0.050	04/26/2022	ND	2.13	107	2.00	2.88		
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	3.50		
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.34	106	6.00	3.17		
Total BTEx	<0.300	0.300	04/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	640	16.0	04/25/2022	ND	416	104	400	0.00	QM-07	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	217	109	200	6.32	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	235	118	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 113 % 66.9-136

Surrogate: 1-Chlorooctadecane 123 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 26 @ 2' (H221673-26)

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	04/26/2022	ND	2.13	106	2.00	4.77		
Toluene*	<0.050	0.050	04/26/2022	ND	2.13	107	2.00	2.88		
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	3.50		
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.34	106	6.00	3.17		
Total BTEx	<0.300	0.300	04/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	640	16.0	04/25/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	217	109	200	6.32	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	235	118	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 112 % 66.9-136

Surrogate: 1-Chlorooctadecane 124 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 27 @ 2' (H221673-27)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/26/2022	ND	2.13	106	2.00	4.77		
Toluene*	<0.050	0.050	04/26/2022	ND	2.13	107	2.00	2.88		
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	3.50		
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.34	106	6.00	3.17		
Total BTX	<0.300	0.300	04/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	04/25/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	217	109	200	6.32	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	235	118	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 105 % 66.9-136

Surrogate: 1-Chlorooctadecane 114 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 28 @ 2' (H221673-28)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/26/2022	ND	2.13	106	2.00	4.77		
Toluene*	<0.050	0.050	04/26/2022	ND	2.13	107	2.00	2.88		
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	3.50		
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.34	106	6.00	3.17		
Total BTX	<0.300	0.300	04/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	04/25/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	217	109	200	6.32	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	235	118	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 108 % 66.9-136

Surrogate: 1-Chlorooctadecane 117 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 29 @ 2' (H221673-29)

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	04/26/2022	ND	2.13	106	2.00	4.77		
Toluene*	<0.050	0.050	04/26/2022	ND	2.13	107	2.00	2.88		
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	3.50		
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.34	106	6.00	3.17		
Total BTEx	<0.300	0.300	04/26/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	04/25/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	217	109	200	6.32	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	235	118	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 104 % 66.9-136

Surrogate: 1-Chlorooctadecane 115 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 30 @ 2' (H221673-30)

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	04/26/2022	ND	2.13	106	2.00	4.77		
Toluene*	<0.050	0.050	04/26/2022	ND	2.13	107	2.00	2.88		
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	3.50		
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.34	106	6.00	3.17		
Total BTEx	<0.300	0.300	04/26/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	04/25/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	217	109	200	6.32	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	235	118	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 111 % 66.9-136

Surrogate: 1-Chlorooctadecane 120 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 31 @ 2' (H221673-31)

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	04/26/2022	ND	2.13	106	2.00	4.77		
Toluene*	<0.050	0.050	04/26/2022	ND	2.13	107	2.00	2.88		
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	3.50		
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.34	106	6.00	3.17		
Total BTX	<0.300	0.300	04/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	04/25/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	217	109	200	6.32	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	235	118	200	2.68	
EXT DRO >C28-C36	13.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 111 % 66.9-136

Surrogate: 1-Chlorooctadecane 119 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 32 @ 2' (H221673-32)

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	04/26/2022	ND	2.13	106	2.00	4.77		
Toluene*	<0.050	0.050	04/26/2022	ND	2.13	107	2.00	2.88		
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	3.50		
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.34	106	6.00	3.17		
Total BTEx	<0.300	0.300	04/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	04/25/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	217	109	200	6.32	
DRO >C10-C28*	33.6	10.0	04/26/2022	ND	235	118	200	2.68	
EXT DRO >C28-C36	15.4	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 104 % 66.9-136

Surrogate: 1-Chlorooctadecane 119 % 59.5-142

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Analytical Results For:

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

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 33 @ 2' (H221673-33)

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	04/26/2022	ND	2.13	106	2.00	4.77		
Toluene*	<0.050	0.050	04/26/2022	ND	2.13	107	2.00	2.88		
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	3.50		
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.34	106	6.00	3.17		
Total BTEx	<0.300	0.300	04/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	04/25/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	217	109	200	6.32	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	235	118	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 107 % 66.9-136

Surrogate: 1-Chlorooctadecane 114 % 59.5-142

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Analytical Results For:

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Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 34 @ 2' (H221673-34)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/26/2022	ND	2.13	106	2.00	4.77		
Toluene*	<0.050	0.050	04/26/2022	ND	2.13	107	2.00	2.88		
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	3.50		
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.34	106	6.00	3.17		
Total BTX	<0.300	0.300	04/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	04/25/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	217	109	200	6.32	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	235	118	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 104 % 66.9-136

Surrogate: 1-Chlorooctadecane 112 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 35 @ 2' (H221673-35)

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	04/26/2022	ND	2.13	106	2.00	4.77		
Toluene*	<0.050	0.050	04/26/2022	ND	2.13	107	2.00	2.88		
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	3.50		
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.34	106	6.00	3.17		
Total BTX	<0.300	0.300	04/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	04/25/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	217	109	200	6.32	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	235	118	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 89.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 95.2 % 59.5-142

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Analytical Results For:

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

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 36 @ 2' (H221673-36)

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	04/26/2022	ND	2.13	106	2.00	4.77		
Toluene*	<0.050	0.050	04/26/2022	ND	2.13	107	2.00	2.88		
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	3.50		
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.34	106	6.00	3.17		
Total BTEx	<0.300	0.300	04/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	576	16.0	04/25/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	217	109	200	6.32	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	235	118	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 111 % 59.5-142

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Analytical Results For:

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

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 37 @ 2' (H221673-37)

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	04/26/2022	ND	2.13	106	2.00	4.77		
Toluene*	<0.050	0.050	04/26/2022	ND	2.13	107	2.00	2.88		
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	3.50		
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.34	106	6.00	3.17		
Total BTEx	<0.300	0.300	04/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	04/25/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	217	109	200	6.32	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	235	118	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 100 % 66.9-136

Surrogate: 1-Chlorooctadecane 109 % 59.5-142

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Analytical Results For:

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

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 38 @ 2' (H221673-38)

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	04/26/2022	ND	2.13	106	2.00	4.77		
Toluene*	<0.050	0.050	04/26/2022	ND	2.13	107	2.00	2.88		
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	3.50		
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.34	106	6.00	3.17		
Total BTEx	<0.300	0.300	04/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	864	16.0	04/25/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	217	109	200	6.32	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	235	118	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 112 % 66.9-136

Surrogate: 1-Chlorooctadecane 122 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 39 @ 2' (H221673-39)

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	04/26/2022	ND	2.13	106	2.00	4.77		
Toluene*	<0.050	0.050	04/26/2022	ND	2.13	107	2.00	2.88		
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	3.50		
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.34	106	6.00	3.17		
Total BTEx	<0.300	0.300	04/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	04/25/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	217	109	200	6.32	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	235	118	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 109 % 66.9-136

Surrogate: 1-Chlorooctadecane 118 % 59.5-142

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

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 40 @ 2' (H221673-40)

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	04/26/2022	ND	2.13	106	2.00	4.77		
Toluene*	<0.050	0.050	04/26/2022	ND	2.13	107	2.00	2.88		
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	3.50		
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.34	106	6.00	3.17		
Total BTEx	<0.300	0.300	04/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	04/25/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	217	109	200	6.32	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	235	118	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 101 % 66.9-136

Surrogate: 1-Chlorooctadecane 111 % 59.5-142

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Analytical Results For:

BBC International, Inc.
 Cliff Brunson
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 Hobbs NM, 88241
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Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 41 @ 2' (H221673-41)

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	04/26/2022	ND	2.13	106	2.00	4.77		
Toluene*	<0.050	0.050	04/26/2022	ND	2.13	107	2.00	2.88		
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	3.50		
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.34	106	6.00	3.17		
Total BTEx	<0.300	0.300	04/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	04/25/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	217	109	200	6.32	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	235	118	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 104 % 66.9-136

Surrogate: 1-Chlorooctadecane 112 % 59.5-142

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Analytical Results For:

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Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 42 @ 2' (H221673-42)

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	04/26/2022	ND	2.13	106	2.00	4.77		
Toluene*	<0.050	0.050	04/26/2022	ND	2.13	107	2.00	2.88		
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	3.50		
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.34	106	6.00	3.17		
Total BTEx	<0.300	0.300	04/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	04/25/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	188	94.0	200	0.491	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	177	88.5	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 73.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 71.8 % 59.5-142

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Analytical Results For:

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Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 43 @ 2' (H221673-43)

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	04/26/2022	ND	2.09	104	2.00	8.60		
Toluene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	10.9		
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.10	105	2.00	8.45		
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.24	104	6.00	9.09		
Total BTEx	<0.300	0.300	04/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	04/25/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/27/2022	ND	188	94.0	200	0.491	
DRO >C10-C28*	<10.0	10.0	04/27/2022	ND	177	88.5	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	04/27/2022	ND					

Surrogate: 1-Chlorooctane 80.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 82.0 % 59.5-142

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Analytical Results For:

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Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 44 @ 2' (H221673-44)

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	04/26/2022	ND	2.09	104	2.00	8.60		
Toluene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	10.9		
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.10	105	2.00	8.45		
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.24	104	6.00	9.09		
Total BTEx	<0.300	0.300	04/26/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	04/25/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	188	94.0	200	0.491	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	177	88.5	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 93.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 94.4 % 59.5-142

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Analytical Results For:

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Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 45 @ 2' (H221673-45)

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	04/26/2022	ND	2.09	104	2.00	8.60		
Toluene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	10.9		
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.10	105	2.00	8.45		
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.24	104	6.00	9.09		
Total BTEx	<0.300	0.300	04/26/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	04/25/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	188	94.0	200	0.491	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	177	88.5	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 84.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 84.0 % 59.5-142

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Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 46 @ 2' (H221673-46)

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	04/26/2022	ND	2.09	104	2.00	8.60		
Toluene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	10.9		
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.10	105	2.00	8.45		
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.24	104	6.00	9.09		
Total BTEx	<0.300	0.300	04/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	04/25/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	188	94.0	200	0.491	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	177	88.5	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 94.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 95.3 % 59.5-142

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Analytical Results For:

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Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 47 @ 2' (H221673-47)

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	04/26/2022	ND	2.09	104	2.00	8.60		
Toluene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	10.9		
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.10	105	2.00	8.45		
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.24	104	6.00	9.09		
Total BTX	<0.300	0.300	04/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	04/25/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	188	94.0	200	0.491	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	177	88.5	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 88.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 88.6 % 59.5-142

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Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 48 @ 2' (H221673-48)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/26/2022	ND	2.09	104	2.00	8.60		
Toluene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	10.9		
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.10	105	2.00	8.45		
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.24	104	6.00	9.09		
Total BTX	<0.300	0.300	04/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	04/25/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	188	94.0	200	0.491	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	177	88.5	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 83.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 83.9 % 59.5-142

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Analytical Results For:

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

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 49 @ 2' (H221673-49)

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	04/26/2022	ND	2.09	104	2.00	8.60		
Toluene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	10.9		
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.10	105	2.00	8.45		
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.24	104	6.00	9.09		
Total BTEx	<0.300	0.300	04/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	04/25/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	188	94.0	200	0.491	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	177	88.5	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 106 % 66.9-136

Surrogate: 1-Chlorooctadecane 107 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 50 @ 2' (H221673-50)

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	04/26/2022	ND	2.09	104	2.00	8.60		
Toluene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	10.9		
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.10	105	2.00	8.45		
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.24	104	6.00	9.09		
Total BTX	<0.300	0.300	04/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	04/25/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	188	94.0	200	0.491	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	177	88.5	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 75.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 75.9 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 51 @ 2' (H221673-51)

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	04/26/2022	ND	2.09	104	2.00	8.60		
Toluene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	10.9		
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.10	105	2.00	8.45		
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.24	104	6.00	9.09		
Total BTEx	<0.300	0.300	04/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	04/25/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	188	94.0	200	0.491	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	177	88.5	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 78.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 77.7 % 59.5-142

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Analytical Results For:

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Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 52 @ 2' (H221673-52)

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	04/27/2022	ND	2.09	104	2.00	8.60		
Toluene*	<0.050	0.050	04/27/2022	ND	2.14	107	2.00	10.9		
Ethylbenzene*	<0.050	0.050	04/27/2022	ND	2.10	105	2.00	8.45		
Total Xylenes*	<0.150	0.150	04/27/2022	ND	6.24	104	6.00	9.09		
Total BTX	<0.300	0.300	04/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	04/25/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	188	94.0	200	0.491	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	177	88.5	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 77.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 77.3 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 53 @ 2' (H221673-53)

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	04/27/2022	ND	2.09	104	2.00	8.60		
Toluene*	<0.050	0.050	04/27/2022	ND	2.14	107	2.00	10.9		
Ethylbenzene*	<0.050	0.050	04/27/2022	ND	2.10	105	2.00	8.45		
Total Xylenes*	<0.150	0.150	04/27/2022	ND	6.24	104	6.00	9.09		
Total BTEx	<0.300	0.300	04/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	04/25/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	188	94.0	200	0.491	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	177	88.5	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 73.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 72.1 % 59.5-142

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Analytical Results For:

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

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 54 @ 2' (H221673-54)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/27/2022	ND	2.09	104	2.00	8.60		
Toluene*	<0.050	0.050	04/27/2022	ND	2.14	107	2.00	10.9		
Ethylbenzene*	<0.050	0.050	04/27/2022	ND	2.10	105	2.00	8.45		
Total Xylenes*	<0.150	0.150	04/27/2022	ND	6.24	104	6.00	9.09		
Total BTEx	<0.300	0.300	04/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	04/25/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	188	94.0	200	0.491	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	177	88.5	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 71.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 70.6 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 55 @ 2' (H221673-55)

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	04/27/2022	ND	2.09	104	2.00	8.60		
Toluene*	<0.050	0.050	04/27/2022	ND	2.14	107	2.00	10.9		
Ethylbenzene*	<0.050	0.050	04/27/2022	ND	2.10	105	2.00	8.45		
Total Xylenes*	<0.150	0.150	04/27/2022	ND	6.24	104	6.00	9.09		
Total BTX	<0.300	0.300	04/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	04/25/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	188	94.0	200	0.491	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	177	88.5	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 73.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 72.0 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 56 @ 2' (H221673-56)

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	04/27/2022	ND	2.09	104	2.00	8.60		
Toluene*	<0.050	0.050	04/27/2022	ND	2.14	107	2.00	10.9		
Ethylbenzene*	<0.050	0.050	04/27/2022	ND	2.10	105	2.00	8.45		
Total Xylenes*	<0.150	0.150	04/27/2022	ND	6.24	104	6.00	9.09		
Total BTEx	<0.300	0.300	04/27/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	04/25/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	188	94.0	200	0.491	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	177	88.5	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 82.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 81.9 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 57 @ 2' (H221673-57)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/27/2022	ND	2.09	104	2.00	8.60		
Toluene*	<0.050	0.050	04/27/2022	ND	2.14	107	2.00	10.9		
Ethylbenzene*	<0.050	0.050	04/27/2022	ND	2.10	105	2.00	8.45		
Total Xylenes*	<0.150	0.150	04/27/2022	ND	6.24	104	6.00	9.09		
Total BTX	<0.300	0.300	04/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	04/25/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	188	94.0	200	0.491	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	177	88.5	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 83.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 81.6 % 59.5-142

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Analytical Results For:

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

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 58 @ 2' (H221673-58)

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	04/27/2022	ND	2.09	104	2.00	8.60		
Toluene*	<0.050	0.050	04/27/2022	ND	2.14	107	2.00	10.9		
Ethylbenzene*	<0.050	0.050	04/27/2022	ND	2.10	105	2.00	8.45		
Total Xylenes*	<0.150	0.150	04/27/2022	ND	6.24	104	6.00	9.09		
Total BTEx	<0.300	0.300	04/27/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	04/25/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	188	94.0	200	0.491	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	177	88.5	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 69.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 67.5 % 59.5-142

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Analytical Results For:

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

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 59 @ 2' (H221673-59)

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	04/27/2022	ND	2.09	104	2.00	8.60		
Toluene*	<0.050	0.050	04/27/2022	ND	2.14	107	2.00	10.9		
Ethylbenzene*	<0.050	0.050	04/27/2022	ND	2.10	105	2.00	8.45		
Total Xylenes*	<0.150	0.150	04/27/2022	ND	6.24	104	6.00	9.09		
Total BTX	<0.300	0.300	04/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	04/25/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	188	94.0	200	0.491	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	177	88.5	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 104 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 60 @ 2' (H221673-60)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/27/2022	ND	2.09	104	2.00	8.60		
Toluene*	<0.050	0.050	04/27/2022	ND	2.14	107	2.00	10.9		
Ethylbenzene*	<0.050	0.050	04/27/2022	ND	2.10	105	2.00	8.45		
Total Xylenes*	<0.150	0.150	04/27/2022	ND	6.24	104	6.00	9.09		
Total BTX	<0.300	0.300	04/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	04/25/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	188	94.0	200	0.491	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	177	88.5	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 88.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 87.1 % 59.5-142

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Analytical Results For:

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

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 61 @ 2' (H221673-61)

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	04/27/2022	ND	2.09	104	2.00	8.60		
Toluene*	<0.050	0.050	04/27/2022	ND	2.14	107	2.00	10.9		
Ethylbenzene*	<0.050	0.050	04/27/2022	ND	2.10	105	2.00	8.45		
Total Xylenes*	<0.150	0.150	04/27/2022	ND	6.24	104	6.00	9.09		
Total BTEx	<0.300	0.300	04/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	04/25/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	188	94.0	200	0.491	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	177	88.5	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 86.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 87.3 % 59.5-142

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Analytical Results For:

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

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 62 @ 2' (H221673-62)

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	04/27/2022	ND	2.09	104	2.00	8.60		
Toluene*	<0.050	0.050	04/27/2022	ND	2.14	107	2.00	10.9		
Ethylbenzene*	<0.050	0.050	04/27/2022	ND	2.10	105	2.00	8.45		
Total Xylenes*	<0.150	0.150	04/27/2022	ND	6.24	104	6.00	9.09		
Total BTEx	<0.300	0.300	04/27/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	04/25/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	201	101	200	1.09	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	181	90.5	200	3.27	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 78.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 75.1 % 59.5-142

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Analytical Results For:

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

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 63 @ 2' (H221673-63)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/26/2022	ND	2.18	109	2.00	1.93		
Toluene*	<0.050	0.050	04/26/2022	ND	2.17	108	2.00	2.88		
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	2.30		
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.62	110	6.00	1.76		
Total BTEX	<0.300	0.300	04/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	04/25/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	201	101	200	1.09	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	181	90.5	200	3.27	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 86.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 82.3 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 64 @ 2' (H221673-64)

BTX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/26/2022	ND	2.18	109	2.00	1.93		
Toluene*	<0.050	0.050	04/26/2022	ND	2.17	108	2.00	2.88		
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	2.30		
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.62	110	6.00	1.76		
Total BTX	<0.300	0.300	04/26/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	04/25/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	201	101	200	1.09	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	181	90.5	200	3.27	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 96.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 92.3 % 59.5-142

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Analytical Results For:

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

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 65 @ 3' (H221673-65)

BTX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/26/2022	ND	2.18	109	2.00	1.93		
Toluene*	<0.050	0.050	04/26/2022	ND	2.17	108	2.00	2.88		
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	2.30		
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.62	110	6.00	1.76		
Total BTX	<0.300	0.300	04/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	04/25/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	201	101	200	1.09	
DRO >C10-C28*	12.2	10.0	04/26/2022	ND	181	90.5	200	3.27	
EXT DRO >C28-C36	14.6	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 91.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 87.6 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 66 @ 3' (H221673-66)

BTX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/26/2022	ND	2.18	109	2.00	1.93		
Toluene*	<0.050	0.050	04/26/2022	ND	2.17	108	2.00	2.88		
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	2.30		
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.62	110	6.00	1.76		
Total BTX	<0.300	0.300	04/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	04/25/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	201	101	200	1.09	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	181	90.5	200	3.27	
EXT DRO >C28-C36	12.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 93.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 90.4 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 1 (H221673-67)

BTX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/26/2022	ND	2.18	109	2.00	1.93	
Toluene*	<0.050	0.050	04/26/2022	ND	2.17	108	2.00	2.88	
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	2.30	
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.62	110	6.00	1.76	
Total BTX	<0.300	0.300	04/26/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	04/25/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	201	101	200	1.09	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	181	90.5	200	3.27	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 92.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 88.8 % 59.5-142

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Analytical Results For:

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

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 2 (H221673-68)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/26/2022	ND	2.18	109	2.00	1.93		
Toluene*	<0.050	0.050	04/26/2022	ND	2.17	108	2.00	2.88		
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	2.30		
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.62	110	6.00	1.76		
Total BTEx	<0.300	0.300	04/26/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	04/25/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	201	101	200	1.09	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	181	90.5	200	3.27	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 85.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 82.4 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 3 (H221673-69)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/26/2022	ND	2.18	109	2.00	1.93		
Toluene*	<0.050	0.050	04/26/2022	ND	2.17	108	2.00	2.88		
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	2.30		
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.62	110	6.00	1.76		
Total BTEx	<0.300	0.300	04/26/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	04/25/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	201	101	200	1.09	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	181	90.5	200	3.27	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 85.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 82.7 % 59.5-142

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Analytical Results For:

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

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 4 (H221673-70)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/26/2022	ND	2.18	109	2.00	1.93		
Toluene*	<0.050	0.050	04/26/2022	ND	2.17	108	2.00	2.88		
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	2.30		
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.62	110	6.00	1.76		
Total BTEx	<0.300	0.300	04/26/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	688	16.0	04/25/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	201	101	200	1.09	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	181	90.5	200	3.27	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 78.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 75.6 % 59.5-142

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Analytical Results For:

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

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 5 (H221673-71)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/26/2022	ND	2.18	109	2.00	1.93		
Toluene*	<0.050	0.050	04/26/2022	ND	2.17	108	2.00	2.88		
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.14	107	2.00	2.30		
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.62	110	6.00	1.76		
Total BTEx	<0.300	0.300	04/26/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	04/25/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	219	110	200	5.19	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	232	116	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 98.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 107 % 59.5-142

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Analytical Results For:

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

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 6 (H221673-72)

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/26/2022	ND	2.18	109	2.00	2.20	
Toluene*	<0.050	0.050	04/26/2022	ND	2.16	108	2.00	2.15	
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.06	103	2.00	2.29	
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.38	106	6.00	1.77	
Total BTX	<0.300	0.300	04/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	04/25/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	219	110	200	5.19	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	232	116	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 101 % 66.9-136

Surrogate: 1-Chlorooctadecane 110 % 59.5-142

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 7 (H221673-73)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/26/2022	ND	2.18	109	2.00	2.20		
Toluene*	<0.050	0.050	04/26/2022	ND	2.16	108	2.00	2.15		
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.06	103	2.00	2.29		
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.38	106	6.00	1.77		
Total BTX	<0.300	0.300	04/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	04/25/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/27/2022	ND	219	110	200	5.19	
DRO >C10-C28*	<10.0	10.0	04/27/2022	ND	232	116	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	04/27/2022	ND					

Surrogate: 1-Chlorooctane 90.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 99.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 8 (H221673-74)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/26/2022	ND	2.18	109	2.00	2.20		
Toluene*	<0.050	0.050	04/26/2022	ND	2.16	108	2.00	2.15		
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.06	103	2.00	2.29		
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.38	106	6.00	1.77		
Total BTX	<0.300	0.300	04/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	04/25/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/27/2022	ND	219	110	200	5.19	
DRO >C10-C28*	<10.0	10.0	04/27/2022	ND	232	116	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	04/27/2022	ND					

Surrogate: 1-Chlorooctane 99.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 110 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/22/2022	Sampling Date:	04/21/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/10/21)	Sample Received By:	Jodi Henson
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 9 (H221673-75)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/26/2022	ND	2.18	109	2.00	2.20		
Toluene*	<0.050	0.050	04/26/2022	ND	2.16	108	2.00	2.15		
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	2.06	103	2.00	2.29		
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.38	106	6.00	1.77		
Total BTX	<0.300	0.300	04/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	576	16.0	04/25/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	219	110	200	5.19	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	232	116	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 107 % 66.9-136

Surrogate: 1-Chlorooctadecane 119 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.		BILL TO		ANALYSIS REQUEST												
Project Manager: Cliff Brunson		P.O. #:														
Address: P.O. Box 805		Company: Oxy														
City: Hobbs		Attn:														
Phone #: 575-397-6388		Address:														
Fax #: 575-397-0397		City:														
Project #:		State: NM														
Project Name: AVOGATO 30-31 ST COM 0021H (9/10/21)		Zip: 88241														
Project Location: NEW MEXICO		Phone #:														
Sample Name: ROGER		Fax #:														
FOR LAB USE ONLY																
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX			PRESERV.			SAMPLING						
				GROUNDWATER			ACID/BASE:			DATE	TIME					
				WASTEWATER			ICE / COOL									
				SOIL			OTHER :									
				OIL												
				SLUDGE												
				OTHER :												
Ha21673	BOTTOM 1 @ 2'		1							4/21/22	9:00AM	✓	CL	✓		
1	BOTTOM 2 @ 2'									4/21/22	9:05AM	✓	PTV	✓		
2	BOTTOM 3 @ 2'									4/21/22	9:10AM	✓	TPH EXT	✓		
3	BOTTOM 4 @ 2'									4/21/22	9:15AM	✓		✓		
4	BOTTOM 5 @ 2'									4/21/22	9:20AM	✓		✓		
5	BOTTOM 6 @ 2'									4/21/22	9:25AM	✓		✓		
6	BOTTOM 7 @ 2'									4/21/22	9:30AM	✓		✓		
7	BOTTOM 8 @ 2'									4/21/22	9:35AM	✓		✓		
8	BOTTOM 9 @ 3'									4/21/22	9:40AM	✓		✓		
9	BOTTOM 10 @ 3'									4/21/22	9:45AM	✓		✓		
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Relinquished By:		Date: 4/22/22	Received By: [Signature]													
Relinquished By: [Signature]		Date: 4/22/22	Received By: [Signature]													
Delivered By: (Circle One) <u>50</u>		Time: 4:40	Sample Condition: <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact													
Sampler: UPS - Bus - Other: <u>-45.50 #113</u>		Checked By: [Signature]	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No													
			Add'l Phone #:													
			Add'l Fax #:													
REMARKS:																

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc. Project Manager: Cliff Brunson Address: P.O. Box 805 City: Hobbs State: NM Zip: 88241 Phone #: 575-397-6388 Fax #: 575-397-0397 Project #: Project Name: AVOGATO 30-31 ST COM 0021H (9/10/21) Project Location: NEW MEXICO Sample Name: ROGER				P.O. #: Company: OKY Attn: Address: City: State: Zip: Phone #: Fax #:			
BILL TO				ANALYSIS REQUEST			
FOR LAB USE ONLY							
Lab I.D. H221673		Sample I.D.		(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :		MATRIX PRESERV SAMPLING	
11 BOTTOM 11@ 3' 12 BOTTOM 12 @ 3' 13 BOTTOM 13 @ 3' 14 BOTTOM 14 @ 3' 15 BOTTOM 15 @ 3' 16 BOTTOM 16 @ 3' 17 BOTTOM 17 @ 3' 18 BOTTOM 18 @ 3' 19 BOTTOM 19 @ 3' 20 BOTTOM 20 @ 3'		DATE TIME		CL BTEX TPH EXT			
		4/21/22 9:50AM		✓			
		4/21/22 9:55AM		✓			
		4/21/22 10:00AM		✓			
		4/21/22 10:05AM		✓			
		4/21/22 10:10AM		✓			
		4/21/22 10:15AM		✓			
		4/21/22 10:20AM		✓			
		4/21/22 10:25AM		✓			
		4/21/22 10:30AM		✓			
		4/21/22 10:35AM		✓			

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Reinquished By: Date: 4/22/22 Time: 4:40 Received By: [Signature] Date: 4/22/22 Time: 4:50		Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>		CHECKED BY: (Initials)	
Delivered By: (Circle One) - 5.02 Sampler - UPS - Bus - Other: - 5.32 #113		REMARKS:		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:	



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 State: NM Zip: 88241 Fax #: 575-397-0397 Project #: Project Name: AVOGATO 30-31 ST COM 0021H (9/10/21) Project Location: NEW MEXICO Sampler Name: ROGER				P.O. #: Company: <i>OK</i> Attn: Address: City: State: Zip: Phone #: Fax #:			
BILL TO				ANALYSIS REQUEST			
FOR LAB USE ONLY							
Lab I.D. Sample I.D.		<input type="checkbox"/> (G)RAB OR (C)OMP. <input type="checkbox"/> # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :		MATRIX PRESERV SAMPLING			
H21613 21 BOTTOM 21 @ 2' 22 BOTTOM 22 @ 2' 23 BOTTOM 23 @ 2' 24 BOTTOM 24 @ 2' 25 BOTTOM 25 @ 2' 26 BOTTOM 26 @ 2' 27 BOTTOM 27 @ 2' 28 BOTTOM 28 @ 2' 29 BOTTOM 29 @ 2' 30 BOTTOM 30 @ 2'		DATE TIME		CL BTEX TPH EXT			
		4/21/22 10:40AM 4/21/22 10:45AM 4/21/22 10:50AM 4/21/22 10:55AM 4/21/22 11:00AM 4/21/22 11:05AM 4/21/22 11:10AM 4/21/22 11:15AM 4/21/22 11:20AM 4/21/22 11:25AM		✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓			

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Relinquished By: <i>John Hernandez</i> Date: 4/22/22 Time: 4:40		Received By: <i>Cliff Brunson</i> Date: 4/22/22 Time: 4:40	
Delivered By: (Circle One) UPS <input checked="" type="checkbox"/> Bus <input type="checkbox"/> Other <input type="checkbox"/>		Sample Condition Cool <input type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	
Cardinal cannot accept verbal changes. Please fax written changes to: 505.397.6388		CHECKED BY: <i>Cliff Brunson</i>	
REMARKS:		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:	



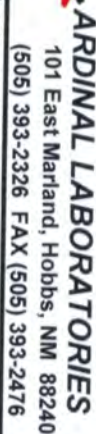
BILL TO

FOR LAB USE ONLY					
Lab I.D.		Sample I.D.			
	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER :	PRESERV. ACID/BASE: ICE / COOL OTHER :	SAMPLING DATE TIME
H221673					
31	BOTTOM 31 @ 2'	✓			CL ✓
32	BOTTOM 32 @ 2'	✓			BTEX ✓
33	BOTTOM 33 @ 2'	✓			TPH Ext ✓
34	BOTTOM 34 @ 2'	✓			
35	BOTTOM 35 @ 2'	✓			
36	BOTTOM 36 @ 2'	✓			
37	BOTTOM 37 @ 2'	✓			
38	BOTTOM 38 @ 2'	✓			
39	BOTTOM 39 @ 2'	✓			
40	BOTTOM 40 @ 2'	✓			

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PLEASE NOTE: Liberty and Dr. King Capital's liability and client's exclusive remedy for any claim arising whether based in contract or tort shall be limited to the amount paid for incident 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 Capital within 30 days after completion of the applicable service. In no event shall Capital be liable for incidental or consequential damages, including without limitation, business interruption, 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 Capital, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 82 of 85



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.		BILL TO		ANALYSIS REQUEST	
Project Manager: Cliff Brunson		P.O. #:			
Address: P.O. Box 805		Company:			
City: Hobbs		Attn:			
Phone #: 575-397-6388		Address:			
Fax #: 575-397-0397		City:			
Project #:		State:			
Project Name: AVOGATO 30-31 ST COM 0021H (9/10/21)		Zip:			
Project Location: NEW MEXICO		Phone #:			
Sampler Name: ROGER		Fax #:			

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	CL	BTEX	TPH EXT
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H221673	BOTTOM 51 @ 2'									4/21/22	2:55 PM	✓	✓	✓
51	BOTTOM 52 @ 2'									4/21/22	2:10 PM	✓	✓	✓
52	BOTTOM 53 @ 2'									4/21/22	2:15 PM	✓	✓	✓
53	BOTTOM 54 @ 2'									4/21/22	2:30 PM	✓	✓	✓
54	BOTTOM 55 @ 2'									4/21/22	2:35 PM	✓	✓	✓
55	BOTTOM 56 @ 2'									4/21/22	2:30 PM	✓	✓	✓
56	BOTTOM 57 @ 2'									4/21/22	2:35 PM	✓	✓	✓
57	BOTTOM 58 @ 2'									4/21/22	2:40 PM	✓	✓	✓
58	BOTTOM 59 @ 2'									4/21/22	2:45 PM	✓	✓	✓
59	BOTTOM 60 @ 2'									4/21/22	2:50 PM	✓	✓	✓

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Relinquished By: <i>Boyer Hernandez</i>	Date: 4/22/22	Received By: <i>Cliff Brunson</i>	Date: 4/22/22
Time: 4:40	Time: 4:40	Time: 4:40	Time: 4:40

Delivered By: (Circle One) <i>UPS</i>	Date: 4/22/22	Received By: <i>Boyer Hernandez</i>	Date: 4/22/22
Time: 5:00	Time: 5:00	Time: 5:00	Time: 5:00

Sampler - UPS - Bus - Other: <i>5:30</i>	Sample Condition	CHECKED BY: <i>Boyer Hernandez</i>
	Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
	Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

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

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

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.		BILL TO		ANALYSIS REQUEST										
Project Manager: Cliff Brunson		P.O. #:												
Address: P.O. Box 805		Company:												
City: Hobbs		Attn:												
Phone #: 575-397-6388		Address:												
State: NM Zip: 88241		City:												
Fax #: 575-397-0397		State:												
Project #:		Zip:												
Project Name: AVOGATO 30-31 ST COM 0021H (9/10/21)		Phone #:												
Project Location: NEW MEXICO		Fax #:												
Sampler Name: ROGER														
FOR LAB USE ONLY														
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX		PRESERV	SAMPLING							
				GROUNDWATER										
				WASTEWATER										
				SOIL										
				OIL										
				SLUDGE										
				OTHER :										
				ACID/BASE:										
				ICE / COOL										
				OTHER :										
				DATE	TIME									
H221673	BOTTOM 61 @ 2'		1	4/21/22	3:55pm	✓	✓	CL						
61	BOTTOM 62 @ 2'		1	4/21/22	3:00pm	✓	✓	BTX						
62	BOTTOM 56 @ 2'		1	4/21/22	3:05pm	✓	✓	TPH EXT						
63	BOTTOM 64 @ 2'		1	4/21/22	3:10pm	✓	✓							
64	BOTTOM 65 @ 3'		1	4/21/22	3:15pm	✓	✓							
65	BOTTOM 66 @ 3'		1	4/21/22	3:20pm	✓	✓							
66	SIDEWALL 1		1	4/21/22	3:25pm	✓	✓							
67	SIDEWALL 2		1	4/21/22	3:30pm	✓	✓							
68	SIDEWALL 3		1	4/21/22	3:35pm	✓	✓							
69	SIDEWALL 4		1	4/21/22	3:40pm	✓	✓							
70														

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Relinquished By:	Date: 4/22/22	Received By:	Date: 4/22/22	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Time: 4:40	Received By:	Time: 4:40	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One)	Time: 4:50	Sample Condition: <input type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact	CHECKED BY:		
Sampler - UPS - Bus - Other:	Time: 4:50	Sample Condition: <input type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact	CHECKED BY:		



ORDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.							BILL TO							ANALYSIS REQUEST													
Project Manager: Cliff Brunson							P.O. #:																				
Address: P.O. Box 805							Company: Oxy																				
City: Hobbs							Attn:																				
State: NM zip: 88241							Address:																				
Phone #: 575-397-6388 Fax #: 575-397-0397							City:																				
Project #:							State: Zip:																				
Project Name: AVOGATO 30-31 ST COM 0021H (9/10/21)							Phone #:																				
Project Location: NEW MEXICO							Fax #:																				
Sampler Name: ROGER																											
FOR LAB USE ONLY																											
Lab I.D. Sample I.D.							(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :							MATRIX PRESERV SAMPLING													
H221673 71 SIDEWALL 5 72 SIDEWALL 6 73 SIDEWALL 7 74 SIDEWALL 8 75 SIDEWALL 9							DATE TIME							CL BTEX TPH EXT													

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Relinquished By: Roger Hernandez				Date: 4/21/22				Received By: [Signature]				Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Add'l Phone #:			
Relinquished By: [Signature]				Date: 4/21/22				Received By: [Signature]				Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Add'l Fax #:			
Delivered By: (Circle One) - 5.0E				Date: 4/30				Time: 4:30				Sample Condition:				CHECKED BY: [Signature]			
Sampler: UPS - Bus - Other: - 5.0E				#: 113				Cool: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Intact: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							
REMARKS:																			



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

May 11, 2022

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: AVAGATO 30-31 COM 0021H

Enclosed are the results of analyses for samples received by the laboratory on 05/09/22 16:40.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive 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:	05/09/2022	Sampling Date:	05/09/2022
Reported:	05/11/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/15/21)	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BS 6 A @ 3' (H221956-01)

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/10/2022	ND	2.04	102	2.00	1.41	
Toluene*	<0.050	0.050	05/10/2022	ND	2.01	101	2.00	1.46	
Ethylbenzene*	<0.050	0.050	05/10/2022	ND	1.90	95.1	2.00	1.76	
Total Xylenes*	<0.150	0.150	05/10/2022	ND	5.91	98.5	6.00	1.95	
Total BTX	<0.300	0.300	05/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/10/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/11/2022	ND	190	94.8	200	2.18	
DRO >C10-C28*	<10.0	10.0	05/11/2022	ND	203	101	200	3.86	
EXT DRO >C28-C36	<10.0	10.0	05/11/2022	ND					

Surrogate: 1-Chlorooctane 109 % 66.9-136

Surrogate: 1-Chlorooctadecane 126 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/09/2022	Sampling Date:	05/09/2022
Reported:	05/11/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/15/21)	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BS 7 A @ 3' (H221956-02)

BTEX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/10/2022	ND	2.04	102	2.00	1.41		
Toluene*	<0.050	0.050	05/10/2022	ND	2.01	101	2.00	1.46		
Ethylbenzene*	<0.050	0.050	05/10/2022	ND	1.90	95.1	2.00	1.76		
Total Xylenes*	<0.150	0.150	05/10/2022	ND	5.91	98.5	6.00	1.95		
Total BTEX	<0.300	0.300	05/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	05/10/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/11/2022	ND	190	94.8	200	2.18	
DRO >C10-C28*	<10.0	10.0	05/11/2022	ND	203	101	200	3.86	
EXT DRO >C28-C36	<10.0	10.0	05/11/2022	ND					

Surrogate: 1-Chlorooctane 112 % 66.9-136

Surrogate: 1-Chlorooctadecane 127 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/09/2022
 Reported: 05/11/2022
 Project Name: AVAGATO 30-31 COM 0021H
 Project Number: (9/15/21)
 Project Location: OXY - NEW MEXICO

Sampling Date: 05/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BS 25 A @ 3' (H221956-03)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/10/2022	ND	2.04	102	2.00	1.41		
Toluene*	<0.050	0.050	05/10/2022	ND	2.01	101	2.00	1.46		
Ethylbenzene*	<0.050	0.050	05/10/2022	ND	1.90	95.1	2.00	1.76		
Total Xylenes*	<0.150	0.150	05/10/2022	ND	5.91	98.5	6.00	1.95		
Total BTEX	<0.300	0.300	05/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/10/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/11/2022	ND	190	94.8	200	2.18	
DRO >C10-C28*	<10.0	10.0	05/11/2022	ND	203	101	200	3.86	
EXT DRO >C28-C36	<10.0	10.0	05/11/2022	ND					

Surrogate: 1-Chlorooctane 111 % 66.9-136

Surrogate: 1-Chlorooctadecane 127 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/09/2022	Sampling Date:	05/09/2022
Reported:	05/11/2022	Sampling Type:	Soil
Project Name:	AVAGATO 30-31 COM 0021H	Sampling Condition:	Cool & Intact
Project Number:	(9/15/21)	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BS 26 A @ 3' (H221956-04)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/10/2022	ND	2.04	102	2.00	1.41		
Toluene*	<0.050	0.050	05/10/2022	ND	2.01	101	2.00	1.46		
Ethylbenzene*	<0.050	0.050	05/10/2022	ND	1.90	95.1	2.00	1.76		
Total Xylenes*	<0.150	0.150	05/10/2022	ND	5.91	98.5	6.00	1.95		
Total BTEx	<0.300	0.300	05/10/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/10/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/11/2022	ND	190	94.8	200	2.18	
DRO >C10-C28*	<10.0	10.0	05/11/2022	ND	203	101	200	3.86	
EXT DRO >C28-C36	<10.0	10.0	05/11/2022	ND					

Surrogate: 1-Chlorooctane 106 % 66.9-136

Surrogate: 1-Chlorooctadecane 123 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/09/2022
 Reported: 05/11/2022
 Project Name: AVAGATO 30-31 COM 0021H
 Project Number: (9/15/21)
 Project Location: OXY - NEW MEXICO

Sampling Date: 05/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BS 34 A @ 3' (H221956-05)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/10/2022	ND	2.04	102	2.00	1.41		
Toluene*	<0.050	0.050	05/10/2022	ND	2.01	101	2.00	1.46		
Ethylbenzene*	<0.050	0.050	05/10/2022	ND	1.90	95.1	2.00	1.76		
Total Xylenes*	<0.150	0.150	05/10/2022	ND	5.91	98.5	6.00	1.95		
Total BTEx	<0.300	0.300	05/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	05/10/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/11/2022	ND	190	94.8	200	2.18	
DRO >C10-C28*	<10.0	10.0	05/11/2022	ND	203	101	200	3.86	
EXT DRO >C28-C36	<10.0	10.0	05/11/2022	ND					

Surrogate: 1-Chlorooctane 138 % 66.9-136

Surrogate: 1-Chlorooctadecane 171 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/09/2022
 Reported: 05/11/2022
 Project Name: AVAGATO 30-31 COM 0021H
 Project Number: (9/15/21)
 Project Location: OXY - NEW MEXICO

Sampling Date: 05/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BS 38 A @ 3' (H221956-06)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/11/2022	ND	2.04	102	2.00	1.41		
Toluene*	<0.050	0.050	05/11/2022	ND	2.01	101	2.00	1.46		
Ethylbenzene*	<0.050	0.050	05/11/2022	ND	1.90	95.1	2.00	1.76		
Total Xylenes*	<0.150	0.150	05/11/2022	ND	5.91	98.5	6.00	1.95		
Total BTEX	<0.300	0.300	05/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/10/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/11/2022	ND	190	94.8	200	2.18	
DRO >C10-C28*	<10.0	10.0	05/11/2022	ND	203	101	200	3.86	
EXT DRO >C28-C36	<10.0	10.0	05/11/2022	ND					

Surrogate: 1-Chlorooctane 105 % 66.9-136

Surrogate: 1-Chlorooctadecane 117 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/09/2022
 Reported: 05/11/2022
 Project Name: AVAGATO 30-31 COM 0021H
 Project Number: (9/15/21)
 Project Location: OXY - NEW MEXICO

Sampling Date: 05/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 4 A (H221956-07)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/11/2022	ND	2.04	102	2.00	1.41		
Toluene*	<0.050	0.050	05/11/2022	ND	2.01	101	2.00	1.46		
Ethylbenzene*	<0.050	0.050	05/11/2022	ND	1.90	95.1	2.00	1.76		
Total Xylenes*	<0.150	0.150	05/11/2022	ND	5.91	98.5	6.00	1.95		
Total BTEX	<0.300	0.300	05/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/10/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/11/2022	ND	190	94.8	200	2.18	
DRO >C10-C28*	<10.0	10.0	05/11/2022	ND	203	101	200	3.86	
EXT DRO >C28-C36	<10.0	10.0	05/11/2022	ND					

Surrogate: 1-Chlorooctane 112 % 66.9-136

Surrogate: 1-Chlorooctadecane 125 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/09/2022
 Reported: 05/11/2022
 Project Name: AVAGATO 30-31 COM 0021H
 Project Number: (9/15/21)
 Project Location: OXY - NEW MEXICO

Sampling Date: 05/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 8 A (H221956-08)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/11/2022	ND	2.04	102	2.00	1.41		
Toluene*	<0.050	0.050	05/11/2022	ND	2.01	101	2.00	1.46		
Ethylbenzene*	<0.050	0.050	05/11/2022	ND	1.90	95.1	2.00	1.76		
Total Xylenes*	<0.150	0.150	05/11/2022	ND	5.91	98.5	6.00	1.95		
Total BTEX	<0.300	0.300	05/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/10/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/11/2022	ND	190	94.8	200	2.18	
DRO >C10-C28*	<10.0	10.0	05/11/2022	ND	203	101	200	3.86	
EXT DRO >C28-C36	<10.0	10.0	05/11/2022	ND					

Surrogate: 1-Chlorooctane 108 % 66.9-136

Surrogate: 1-Chlorooctadecane 120 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.		BILL TO		ANALYSIS REQUEST											
Project Manager: Cliff Brunson		P.O. #:													
Address: P.O. Box 805		Company: Oxy													
City: Hobbs		Attn:													
Phone #: 575-397-6388		Address:													
Fax #: 575-397-0397		City:													
Project #:		State: NM													
Project Name: Avogato 30 31 St Com 21H - 9-15-21		Zip:													
Project Location: New Mexico		Phone #:													
Sample Name: Simon Rendon		Fax #:													
FOR LAB USE ONLY															
Lab I.D. #221956 2 3 4 5 6 7 8	Sample I.D. BS 6A @ 3' BS 7A @ 3' BS 25A @ 3' BS 26A @ 3' BS 34A @ 3' BS 38A @ 3' SW 4A SW 8A	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	DATE	TIME											
Relinquished By:		Date: 5-9-22		Received By:		Date: 5-9-22		Time: 10:40 am		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:		REMARKS:	
Relinquished By:		Date: 5-9-22		Received By:		Date: 5-9-22		Time: 12:04 pm		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:		REMARKS:	
Delivered By: (Circle One) 0-12 10-0-50		Sample Condition: <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact		CHECKED BY:		2 DAY		Rush							
Sampler - UPS - Bus - Other: -0.42 #113		Sample Condition: <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact		CHECKED BY:		2 DAY		Rush							

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

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Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 108892

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 108892
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	5/31/2022