

APPROVED

By CHernandez at 12:24 pm, Aug 29, 2018

WORLD-WIDE ENVIRONMENTAL SPECIALISTS



388 • FAX (575) 397-0397 • 1324 W. MARLAND • P.O. BOX 805 • HOBBS, NM 88241-0805
E-MAIL: cbrunson@bbcinternational.com

NMOCD approves the delineation completed and proposed remediation for **1RP-5007**. Approval is also conditional based on the following: 1)Extend excavation to encompass sample locations North@Surface, South@Surface and East@Surface and provide updated site maps/figures of where resampling took place on 5/17/2018. 2)Bottom and sidewall confirmation samples from all excavation areas (SP1 sidewalls only) at no greater than 50 ft. intervals. 3)BTEX, TPH extended, and chlorides laboratory analyses for all confirmation samples. 4)Marked confirmation sample locations in relation to delineation sample locations on a scaled map. 5)Dated photo documentation of the remediation process.

DELINEATION WORKPLAN

COG – SMITH RANCH FEDERAL #002 (Leak Date: 3/31/18)

RP # 1RP-5007

This delineation workplan and remediation proposal addresses the release associated with RP # 1RP-5007.

The following information includes:

1. Scaled digital site map with spill area demarcated and leak point identified along with sample point locations and areas of remediation at appropriate depths.
2. GPS information for sample points and sample methodology
3. Depth to groundwater information (i.e., pdf of OSE search results and/or copy of Chevron groundwater trend map).
4. Laboratory analysis results summary table and original laboratory analysis reports
5. A copy of the initial C-141
6. Potentially other pertinent information as necessary for site specific purposes.

Based on the information included in this package and the NMOCD guidelines, the following remediation is proposed:

COG will excavate the spill area as depicted on the following site diagram. The leak area near SP5 and SP9 (yellow shade on diagram) was sampled then excavated to a depth of 4 feet with an impermeable plastic liner installed then backfilled (pictures of the excavation and liner are included). This was done so a replacement tank could be installed, and the battery put back into operation. The sample results had indicated a liner was necessary. The leak area near SP1 (purple shade on diagram) will be excavated to a depth of 4 feet with an impermeable liner placed in the bottom of the excavation. The leak area near SP2 – SP4 (blue shade on diagram) will be excavated to a depth of 3 feet. The leak area near SP7 and SP8 (pink shade on diagram) will be excavated to a depth of 4 feet. The leak area near SP1 (orange shade on diagram) will be excavated to a depth of 1 foot.

The entire site will then be backfilled with clean soil and revegetated (if warranted) to the standards of the appropriate regulatory agency or private surface owner.

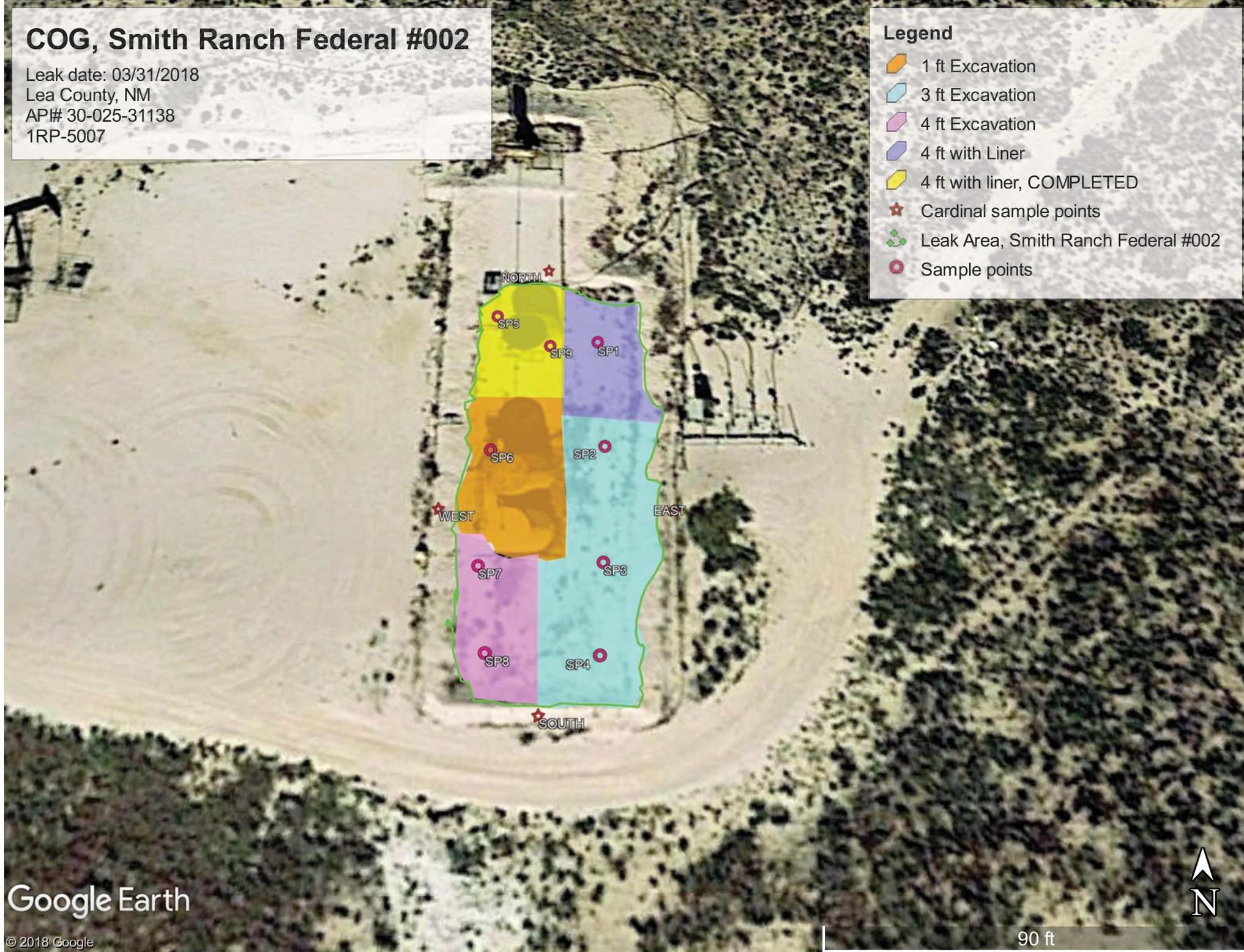
All excavated materials will be disposed of at an NMOCD-approved disposal facility.

COG, Smith Ranch Federal #002

Leak date: 03/31/2018
Lea County, NM
AP# 30-025-31138
1RP-5007

Legend

- 1 ft Excavation
- 3 ft Excavation
- 4 ft Excavation
- 4 ft with Liner
- 4 ft with liner, COMPLETED
- Cardinal sample points
- Leak Area, Smith Ranch Federal #002
- Sample points





COG, Smith Ranch Federal #002

Sample points

SP1, N 32.59304 W-103.63566

SP2, N 32.59296 W-103.63566

SP3, N 32.59287 W-103.63566

SP4, N 32.59280 W-103.63566

SP5, N 32.59307 W-103.63575

SP6, N 32.59295 W-103.63575

SP7, N 32.59287 W-103.63576

SP8, N 32.59280 W-103.63575

SP9, N 32.59304 W-103.63570

NORTH, N 32.59311 W-103.63571

SOUTH, N 32.59276 W-103.63570

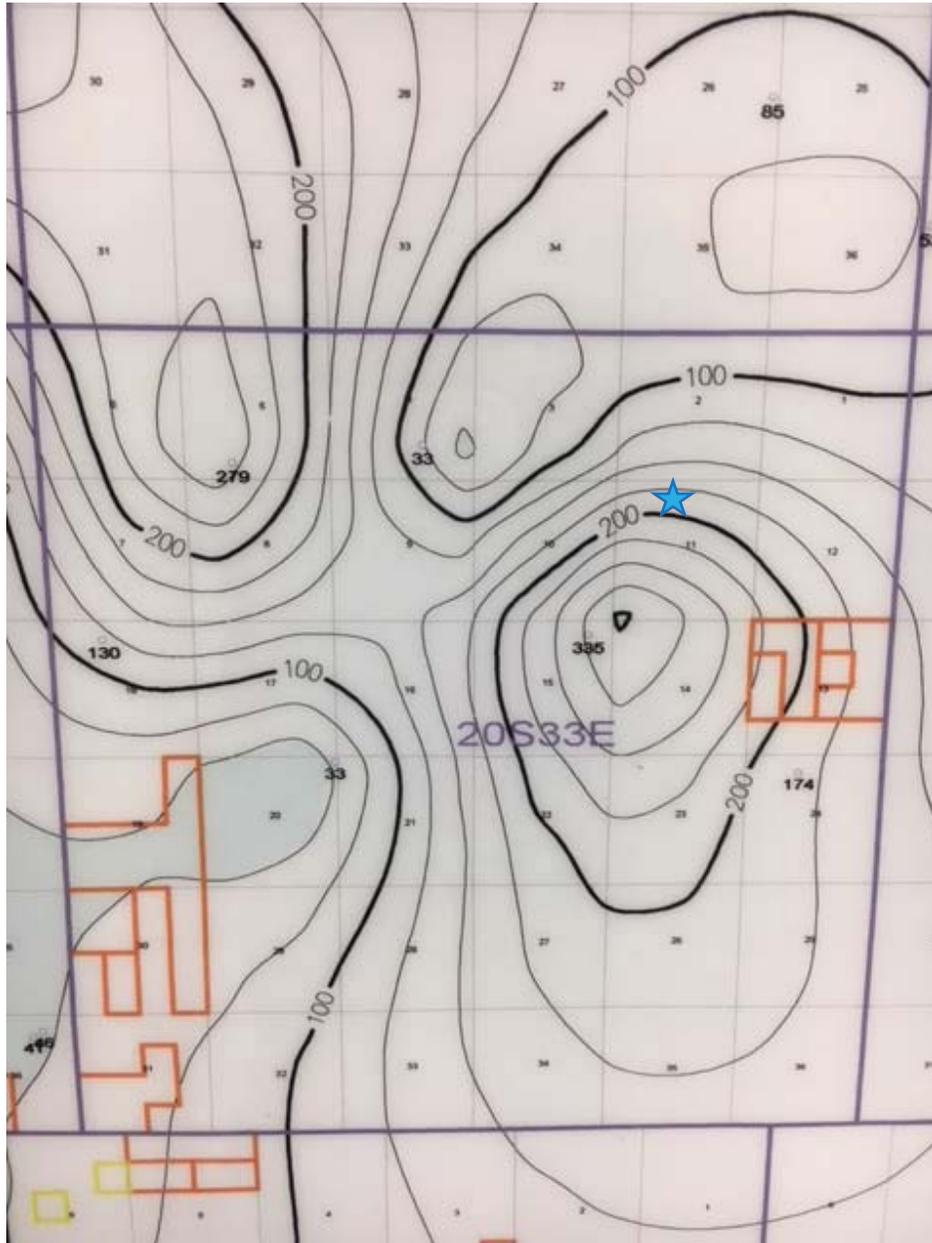
EAST, N 32.59291 W-103.63560

WEST, N 32.59291 W-103.63579

COG, Smith Ranch Federal #002

U/L C, Section 11, T20S, R33E

Groundwater: 175'





New Mexico Office of the State Engineer
Water Column/Average Depth to Water

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

No records found.

UTMAD83 Radius Search (in meters):

Easting (X): 627997

Northing (Y): 3606998

Radius: 1700

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

4/16/18 11:16 AM

WATER COLUMN/ AVERAGE
DEPTH TO WATER

Public Land Survey System (PLSS)

Q64: Q16: Q4: Sec: Tws: Rng:

State Plane Coordinate System - NAD27

X: ft Y: ft Zone:

State Plane Coordinate System - NAD83

X: ft Y: ft Zone:

Degrees/Minutes/Seconds

Longitude (X): Degrees: ° Minutes: ' Seconds: "
Latitude (Y): Degrees: ° Minutes: ' Seconds: "

UTM - NAD27

Easting (X): mtrs Northing (Y): mtrs Zone:

SUBMIT

All Conversion Results are displayed as NAD 1983 UTM Zone 13

Easting (X): mtrs Northing (Y): mtrs

~~ Please keep screen open to copy UTM values for Reports. ~~

Laboratory Analytical Results Summary
Smith Ranch Federal #002

Analyte	Method	Sample ID	SP1 @	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'	SP1 @ 5'	SP1 @ 6'	SP1 @ 7'	SP1 @ 8'
			SURFACE	5/4/18	5/4/18	5/4/18	5/4/18	5/4/18	5/4/18	5/4/18	5/4/18
		Date	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	n/a	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	n/a	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	n/a	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	n/a	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	n/a	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		18400	3600	4160	1570	5360	3120	3520	1490	64
Chloride	EPA300.0		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	35.2
GRO	TPH 8015M		<10.0	<10.0	<10.0	n/a	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		43.6	16.4	11.5	n/a	n/a	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		14	<10.0	<10.0	n/a	n/a	n/a	n/a	n/a	n/a

Analyte	Method	Sample ID	SP5 @	SP5 @ 1'	SP5 @ 2'	SP5 @ 3'	SP5 @ 4'	SP5 @ 5'
			SURFACE	5/7/18	5/7/18	5/7/18	5/7/18	6/25/18
		Date	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		37200	5200	864	704	<16.0	<16.0
Chloride	EPA300.0		n/a	n/a	n/a	704	n/a	<10.0
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a
DRO	TPH 8015M		288	122	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		160	56.7	n/a	n/a	n/a	n/a

Analyte	Method	Sample ID	SP2 @	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'
			SURFACE	5/4/18	5/4/18	5/4/18
		Date	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a
Chloride	SM4500Cl-B		20800	3360	1420	640
Chloride	EPA300.0		n/a	n/a	1230	500
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a
DRO	TPH 8015M		25	<10.0	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a	n/a

Analyte	Method	Sample ID	SP6 @	SP6 @ 1'
			SURFACE	5/7/18
		Date	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500Cl-B		36400	432
Chloride	EPA300.0		n/a	460
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		286	50.4
EXT DRO	TPH 8015M		149	28.3

Analyte	Method	Sample ID	SP3 @	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'
			SURFACE	5/4/18	5/4/18	5/4/18
		Date	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	n/a
Chloride	SM4500Cl-B		19600	4720	1150	48
Chloride	EPA300.0		n/a	n/a	n/a	38.2
GRO	TPH 8015M		<10.0	<10.0	<10.0	n/a
DRO	TPH 8015M		10.2	612	44.3	n/a
EXT DRO	TPH 8015M		<10.0	223	14.6	n/a

Analyte	Method	Sample ID	SP7 @	SP7 @ 1'	SP7 @ 2'	SP7 @ 3'	SP7 @ 4'	SP7 @ 5'
			SURFACE	5/7/18	5/7/18	5/7/18	5/7/18	5/7/18
		Date	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		28000	6700	4000	3160	1100	512
Chloride	EPA300.0		n/a	n/a	n/a	n/a	972	479
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a
DRO	TPH 8015M		338	<10.0	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		201	<10.0	n/a	n/a	n/a	n/a

Analyte	Method	Sample ID	SP4 @	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'
			SURFACE	5/4/18	5/7/18	5/7/18
		Date	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a
Chloride	SM4500Cl-B		33200	4400	1060	32
Chloride	EPA300.0		n/a	n/a	924	12.3
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a
DRO	TPH 8015M		671	<10.0	n/a	n/a
EXT DRO	TPH 8015M		262	<10.0	n/a	n/a

Analyte	Method	Sample ID	SP8 @	SP8 @ 1'	SP8 @ 2'	SP8 @ 3'	SP8 @ 4'
			SURFACE	5/7/18	5/7/18	5/7/18	5/7/18
		Date	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a
Chloride	SM4500Cl-B		30000	3600	2280	1220	32
Chloride	EPA300.0		n/a	n/a	n/a	1190	21.8
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a
DRO	TPH 8015M		258	<10.0	n/a	n/a	n/a
EXT DRO	TPH 8015M		148	<10.0	n/a	n/a	n/a

Laboratory Analytical Results Summary
Smith Ranch Federal #002

Analyte	Method	Sample ID	SP9 @ 4'	SP9 @ 5'
		Date	5/10/18	5/10/18
			mg/kg	mg/kg
Chloride	SM4500Cl-B		5760	48
Chloride	EPA300.0		5540	16.5

Analyte	Method	Sample ID	NORTH @ SURFACE	EAST @ SURFACE	WEST @ SURFACE	SOUTH @ SURFACE
		Date	5/7/18	5/7/18	5/7/18	5/7/18
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		1020	864	416	800
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	54.1	14
EXT DRO	TPH 8015M		<10.0	<10.0	24.5	<10.0

Analyte	Method	Sample ID	NORTH @ SURFACE	EAST @ SURFACE	SOUTH @ SURFACE
		Date	5/17/18	5/17/18	5/17/18
			mg/kg	mg/kg	mg/kg
Chloride	SM4500Cl-B		48	32	48
Chloride	EPA300.0		27.6	23.5	22.7

May 11, 2018

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: SMITH RANCH FEDERAL #2

Enclosed are the results of analyses for samples received by the laboratory on 05/08/18 15:17.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-17-10. 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	Total Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 11-May-18 14:26

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP 1 @ SURFACE	H801275-01	Soil	04-May-18 09:01	08-May-18 15:17
SP 1 @ 1	H801275-02	Soil	04-May-18 09:15	08-May-18 15:17
SP 1 @ 2	H801275-03	Soil	04-May-18 09:45	08-May-18 15:17
SP 1 @ 3	H801275-04	Soil	04-May-18 10:19	08-May-18 15:17
SP 1 @ 4	H801275-05	Soil	04-May-18 10:39	08-May-18 15:17
SP 1 @ 5	H801275-06	Soil	04-May-18 11:11	08-May-18 15:17
SP 1 @ 6	H801275-07	Soil	04-May-18 11:30	08-May-18 15:17
SP 1 @ 7	H801275-08	Soil	04-May-18 11:49	08-May-18 15:17
SP 1 @ 8	H801275-09	Soil	04-May-18 12:12	08-May-18 15:17
SP 2 @ SURFACE	H801275-10	Soil	04-May-18 13:01	08-May-18 15:17
SP 2 @ 1	H801275-11	Soil	04-May-18 13:15	08-May-18 15:17
SP 2 @ 2	H801275-12	Soil	04-May-18 13:31	08-May-18 15:17
SP 3 @ SURFACE	H801275-13	Soil	04-May-18 13:45	08-May-18 15:17
SP 3 @ 1	H801275-14	Soil	04-May-18 14:11	08-May-18 15:17
SP 3 @ 2	H801275-15	Soil	04-May-18 14:33	08-May-18 15:17
SP 3 @ 3	H801275-16	Soil	04-May-18 15:11	08-May-18 15:17
SP 4 @ SURFACE	H801275-17	Soil	04-May-18 15:15	08-May-18 15:17
SP 4 @ 1	H801275-18	Soil	07-May-18 09:19	08-May-18 15:17
SP 4 @ 2	H801275-19	Soil	07-May-18 09:45	08-May-18 15:17
SP 5 @ SURFACE	H801275-20	Soil	07-May-18 10:45	08-May-18 15:17
SP 5 @ 1	H801275-21	Soil	07-May-18 10:30	08-May-18 15:17
SP 5 @ 2	H801275-22	Soil	07-May-18 10:45	08-May-18 15:17
SP 5 @ 3	H801275-23	Soil	07-May-18 11:11	08-May-18 15:17
SP 6 @ SURFACE	H801275-24	Soil	07-May-18 11:22	08-May-18 15:17
SP 6 @ 1	H801275-25	Soil	07-May-18 11:39	08-May-18 15:17
SP 7 @ SURFACE	H801275-26	Soil	07-May-18 11:45	08-May-18 15:17
SP 7 @ 1	H801275-27	Soil	07-May-18 12:12	08-May-18 15:17

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 11-May-18 14:26

SP 7 @ 2	H801275-28	Soil	07-May-18 12:55	08-May-18 15:17
SP 7 @ 3	H801275-29	Soil	07-May-18 13:19	08-May-18 15:17
SP 7 @ 4	H801275-30	Soil	07-May-18 13:33	08-May-18 15:17
SP 8 @ SURFACE	H801275-31	Soil	07-May-18 13:25	08-May-18 15:17
SP 8 @ 1	H801275-32	Soil	07-May-18 13:41	08-May-18 15:17
SP 8 @ 2	H801275-33	Soil	07-May-18 14:15	08-May-18 15:17
SP 8 @ 3	H801275-34	Soil	07-May-18 14:22	08-May-18 15:17
SP N @ SURFACE	H801275-35	Soil	07-May-18 14:33	08-May-18 15:17
SP E @ SURFACE	H801275-36	Soil	07-May-18 14:44	08-May-18 15:17
SP W @ SURFACE	H801275-37	Soil	07-May-18 14:55	08-May-18 15:17
SP S @ SURFACE	H801275-38	Soil	07-May-18 15:11	08-May-18 15:17

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 11-May-18 14:26

SP 1 @ SURFACE
H801275-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Chloride	18400		16.0	mg/kg	4	8050808	HM	09-May-18	4500-Cl-B	
-----------------	--------------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	8050809	MS	09-May-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8050809	MS	09-May-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8050809	MS	09-May-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8050809	MS	09-May-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8050809	MS	09-May-18	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			101 %		72-148	8050809	MS	09-May-18	8021B	
--	--	--	-------	--	--------	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	8050810	MS	08-May-18	8015B	
DRO >C10-C28*	43.6		10.0	mg/kg	1	8050810	MS	08-May-18	8015B	
EXT DRO >C28-C36	14.0		10.0	mg/kg	1	8050810	MS	08-May-18	8015B	

<i>Surrogate: 1-Chlorooctane</i>			75.9 %		41-142	8050810	MS	08-May-18	8015B	
----------------------------------	--	--	--------	--	--------	---------	----	-----------	-------	--

<i>Surrogate: 1-Chlorooctadecane</i>			77.6 %		37.6-147	8050810	MS	08-May-18	8015B	
--------------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 11-May-18 14:26

SP 1 @ 1
H801275-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Chloride	3600		16.0	mg/kg	4	8050808	HM	09-May-18	4500-CI-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	8050809	MS	09-May-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8050809	MS	09-May-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8050809	MS	09-May-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8050809	MS	09-May-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8050809	MS	09-May-18	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			100 %		72-148	8050809	MS	09-May-18	8021B	
--	--	--	-------	--	--------	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	8050810	MS	08-May-18	8015B	
DRO >C10-C28*	16.4		10.0	mg/kg	1	8050810	MS	08-May-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8050810	MS	08-May-18	8015B	

<i>Surrogate: 1-Chlorooctane</i>			69.1 %		41-142	8050810	MS	08-May-18	8015B	
----------------------------------	--	--	--------	--	--------	---------	----	-----------	-------	--

<i>Surrogate: 1-Chlorooctadecane</i>			65.4 %		37.6-147	8050810	MS	08-May-18	8015B	
--------------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 11-May-18 14:26

SP 1 @ 2
H801275-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Chloride	4160		16.0	mg/kg	4	8050808	HM	09-May-18	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	8050809	MS	09-May-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8050809	MS	09-May-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8050809	MS	09-May-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8050809	MS	09-May-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8050809	MS	09-May-18	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			101 %		72-148	8050809	MS	09-May-18	8021B	
--	--	--	-------	--	--------	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	8050810	MS	08-May-18	8015B	
DRO >C10-C28*	11.5		10.0	mg/kg	1	8050810	MS	08-May-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8050810	MS	08-May-18	8015B	

<i>Surrogate: 1-Chlorooctane</i>			74.5 %		41-142	8050810	MS	08-May-18	8015B	
----------------------------------	--	--	--------	--	--------	---------	----	-----------	-------	--

<i>Surrogate: 1-Chlorooctadecane</i>			68.5 %		37.6-147	8050810	MS	08-May-18	8015B	
--------------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 11-May-18 14:26

SP 1 @ 3
H801275-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Chloride	1570		16.0	mg/kg	4	8050808	HM	09-May-18	4500-CI-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 11-May-18 14:26

SP 1 @ 4
H801275-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Chloride	5360		16.0	mg/kg	4	8050808	HM	09-May-18	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 11-May-18 14:26

SP 1 @ 5
H801275-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Chloride	3120		16.0	mg/kg	4	8050808	HM	09-May-18	4500-CI-B	
----------	------	--	------	-------	---	---------	----	-----------	-----------	--

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 11-May-18 14:26

SP 1 @ 6
H801275-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Chloride	3520		16.0	mg/kg	4	8050808	HM	09-May-18	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 11-May-18 14:26

SP 1 @ 7
H801275-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Chloride	1490		16.0	mg/kg	4	8050908	HM	09-May-18	4500-Cl-B	
----------	------	--	------	-------	---	---------	----	-----------	-----------	--

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 11-May-18 14:26

SP 1 @ 8
H801275-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Chloride	64.0		16.0	mg/kg	4	8050908	HM	09-May-18	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

Green Analytical Laboratories
Soluble (DI Water Extraction)

Chloride	35.2		10.0	mg/kg wet	10	B805075	JDA	10-May-18	EPA300.0	
-----------------	-------------	--	------	-----------	----	---------	-----	-----------	----------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 11-May-18 14:26

SP 2 @ SURFACE
H801275-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Chloride	20800		16.0	mg/kg	4	8050908	HM	09-May-18	4500-Cl-B	
-----------------	--------------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	8050809	MS	09-May-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8050809	MS	09-May-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8050809	MS	09-May-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8050809	MS	09-May-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8050809	MS	09-May-18	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			100 %		72-148	8050809	MS	09-May-18	8021B	
--	--	--	-------	--	--------	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	8050810	MS	08-May-18	8015B	
DRO >C10-C28*	25.0		10.0	mg/kg	1	8050810	MS	08-May-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8050810	MS	08-May-18	8015B	

<i>Surrogate: 1-Chlorooctane</i>			76.6 %		41-142	8050810	MS	08-May-18	8015B	
----------------------------------	--	--	--------	--	--------	---------	----	-----------	-------	--

<i>Surrogate: 1-Chlorooctadecane</i>			72.4 %		37.6-147	8050810	MS	08-May-18	8015B	
--------------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 11-May-18 14:26

SP 2 @ 1
H801275-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Chloride	3360		16.0	mg/kg	4	8050908	HM	09-May-18	4500-Cl-B	
----------	------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	8050809	MS	09-May-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8050809	MS	09-May-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8050809	MS	09-May-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8050809	MS	09-May-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8050809	MS	09-May-18	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			102 %		72-148	8050809	MS	09-May-18	8021B	
---------------------------------------	--	--	-------	--	--------	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	8050810	MS	08-May-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8050810	MS	08-May-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8050810	MS	08-May-18	8015B	

Surrogate: 1-Chlorooctane			73.4 %		41-142	8050810	MS	08-May-18	8015B	
---------------------------	--	--	--------	--	--------	---------	----	-----------	-------	--

Surrogate: 1-Chlorooctadecane			67.0 %		37.6-147	8050810	MS	08-May-18	8015B	
-------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 11-May-18 14:26

SP 2 @ 2
H801275-12 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Chloride	1420		16.0	mg/kg	4	8050908	HM	09-May-18	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

Green Analytical Laboratories
Soluble (DI Water Extraction)

Chloride	1230		50.0	mg/kg wet	50	B805075	JDA	10-May-18	EPA300.0	
-----------------	-------------	--	------	-----------	----	---------	-----	-----------	----------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 11-May-18 14:26

SP 3 @ SURFACE
H801275-13 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Chloride	19600		16.0	mg/kg	4	8050908	HM	09-May-18	4500-Cl-B	
-----------------	--------------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	8050809	MS	09-May-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8050809	MS	09-May-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8050809	MS	09-May-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8050809	MS	09-May-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8050809	MS	09-May-18	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.4 %		72-148	8050809	MS	09-May-18	8021B	
--	--	--	--------	--	--------	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	8050810	MS	08-May-18	8015B	
DRO >C10-C28*	10.2		10.0	mg/kg	1	8050810	MS	08-May-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8050810	MS	08-May-18	8015B	

<i>Surrogate: 1-Chlorooctane</i>			72.8 %		41-142	8050810	MS	08-May-18	8015B	
----------------------------------	--	--	--------	--	--------	---------	----	-----------	-------	--

<i>Surrogate: 1-Chlorooctadecane</i>			67.3 %		37.6-147	8050810	MS	08-May-18	8015B	
--------------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 11-May-18 14:26

SP 3 @ 1
H801275-14 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Chloride	4720		16.0	mg/kg	4	8050908	HM	09-May-18	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	8050809	MS	09-May-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8050809	MS	09-May-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8050809	MS	09-May-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8050809	MS	09-May-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8050809	MS	09-May-18	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			102 %		72-148	8050809	MS	09-May-18	8021B	
--	--	--	-------	--	--------	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	8050810	MS	08-May-18	8015B	
DRO >C10-C28*	612		10.0	mg/kg	1	8050810	MS	08-May-18	8015B	
EXT DRO >C28-C36	223		10.0	mg/kg	1	8050810	MS	08-May-18	8015B	

<i>Surrogate: 1-Chlorooctane</i>			64.5 %		41-142	8050810	MS	08-May-18	8015B	
----------------------------------	--	--	--------	--	--------	---------	----	-----------	-------	--

<i>Surrogate: 1-Chlorooctadecane</i>			111 %		37.6-147	8050810	MS	08-May-18	8015B	
--------------------------------------	--	--	-------	--	----------	---------	----	-----------	-------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 11-May-18 14:26

SP 3 @ 2
H801275-15 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Chloride	1150		16.0	mg/kg	4	8050908	HM	09-May-18	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	8050809	MS	09-May-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8050809	MS	09-May-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8050809	MS	09-May-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8050809	MS	09-May-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8050809	MS	09-May-18	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			103 %		72-148	8050809	MS	09-May-18	8021B	
--	--	--	-------	--	--------	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	8050810	MS	09-May-18	8015B	
DRO >C10-C28*	44.3		10.0	mg/kg	1	8050810	MS	09-May-18	8015B	
EXT DRO >C28-C36	17.6		10.0	mg/kg	1	8050810	MS	09-May-18	8015B	

<i>Surrogate: 1-Chlorooctane</i>			75.2 %		41-142	8050810	MS	09-May-18	8015B	
----------------------------------	--	--	--------	--	--------	---------	----	-----------	-------	--

<i>Surrogate: 1-Chlorooctadecane</i>			76.3 %		37.6-147	8050810	MS	09-May-18	8015B	
--------------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 11-May-18 14:26

SP 3 @ 3
H801275-16 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Chloride	48.0		16.0	mg/kg	4	8050908	HM	09-May-18	4500-Cl-B	
----------	------	--	------	-------	---	---------	----	-----------	-----------	--

Green Analytical Laboratories
Soluble (DI Water Extraction)

Chloride	38.2		10.0	mg/kg wet	10	B805075	JDA	10-May-18	EPA300.0	
----------	------	--	------	-----------	----	---------	-----	-----------	----------	--

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 11-May-18 14:26

SP 4 @ SURFACE
H801275-17 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Chloride	33200		16.0	mg/kg	4	8050908	HM	09-May-18	4500-Cl-B	
-----------------	--------------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	8050809	MS	09-May-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8050809	MS	09-May-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8050809	MS	09-May-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8050809	MS	09-May-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8050809	MS	09-May-18	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			101 %		72-148	8050809	MS	09-May-18	8021B	
--	--	--	-------	--	--------	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	8050810	MS	09-May-18	8015B	
DRO >C10-C28*	671		10.0	mg/kg	1	8050810	MS	09-May-18	8015B	
EXT DRO >C28-C36	262		10.0	mg/kg	1	8050810	MS	09-May-18	8015B	

<i>Surrogate: 1-Chlorooctane</i>			71.2 %		41-142	8050810	MS	09-May-18	8015B	
----------------------------------	--	--	--------	--	--------	---------	----	-----------	-------	--

<i>Surrogate: 1-Chlorooctadecane</i>			121 %		37.6-147	8050810	MS	09-May-18	8015B	
--------------------------------------	--	--	-------	--	----------	---------	----	-----------	-------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 11-May-18 14:26

SP 4 @ 1
H801275-18 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Chloride	4400		16.0	mg/kg	4	8050908	HM	09-May-18	4500-CI-B	
----------	------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	8050809	MS	09-May-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8050809	MS	09-May-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8050809	MS	09-May-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8050809	MS	09-May-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8050809	MS	09-May-18	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			102 %		72-148	8050809	MS	09-May-18	8021B	
---------------------------------------	--	--	-------	--	--------	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	8050810	MS	09-May-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8050810	MS	09-May-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8050810	MS	09-May-18	8015B	

Surrogate: 1-Chlorooctane			74.9 %		41-142	8050810	MS	09-May-18	8015B	
---------------------------	--	--	--------	--	--------	---------	----	-----------	-------	--

Surrogate: 1-Chlorooctadecane			70.7 %		37.6-147	8050810	MS	09-May-18	8015B	
-------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 11-May-18 14:26

SP 4 @ 2
H801275-19 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Chloride	1060		16.0	mg/kg	4	8050908	HM	09-May-18	4500-Cl-B	
----------	------	--	------	-------	---	---------	----	-----------	-----------	--

Green Analytical Laboratories
Soluble (DI Water Extraction)

Chloride	924		50.0	mg/kg wet	50	B805075	JDA	10-May-18	EPA300.0	
----------	-----	--	------	-----------	----	---------	-----	-----------	----------	--

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 11-May-18 14:26

SP 5 @ SURFACE
H801275-20 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Chloride	37200		16.0	mg/kg	4	8050908	HM	09-May-18	4500-Cl-B	
-----------------	--------------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	8050809	MS	09-May-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8050809	MS	09-May-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8050809	MS	09-May-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8050809	MS	09-May-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8050809	MS	09-May-18	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.7 %		72-148	8050809	MS	09-May-18	8021B	
--	--	--	--------	--	--------	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	8050810	MS	09-May-18	8015B	
DRO >C10-C28*	288		10.0	mg/kg	1	8050810	MS	09-May-18	8015B	
EXT DRO >C28-C36	160		10.0	mg/kg	1	8050810	MS	09-May-18	8015B	

<i>Surrogate: 1-Chlorooctane</i>			83.1 %		41-142	8050810	MS	09-May-18	8015B	
----------------------------------	--	--	--------	--	--------	---------	----	-----------	-------	--

<i>Surrogate: 1-Chlorooctadecane</i>			96.1 %		37.6-147	8050810	MS	09-May-18	8015B	
--------------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 11-May-18 14:26

SP 5 @ 1
H801275-21 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Chloride	5200		16.0	mg/kg	4	8050908	HM	09-May-18	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	8050809	MS	09-May-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8050809	MS	09-May-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8050809	MS	09-May-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8050809	MS	09-May-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8050809	MS	09-May-18	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			101 %		72-148	8050809	MS	09-May-18	8021B	
--	--	--	-------	--	--------	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	8050810	MS	09-May-18	8015B	
DRO >C10-C28*	122		10.0	mg/kg	1	8050810	MS	09-May-18	8015B	
EXT DRO >C28-C36	56.7		10.0	mg/kg	1	8050810	MS	09-May-18	8015B	

<i>Surrogate: 1-Chlorooctane</i>			92.3 %		41-142	8050810	MS	09-May-18	8015B	
----------------------------------	--	--	--------	--	--------	---------	----	-----------	-------	--

<i>Surrogate: 1-Chlorooctadecane</i>			96.9 %		37.6-147	8050810	MS	09-May-18	8015B	
--------------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 11-May-18 14:26

SP 5 @ 2
H801275-22 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Chloride	864		16.0	mg/kg	4	8050908	HM	09-May-18	4500-Cl-B	
----------	-----	--	------	-------	---	---------	----	-----------	-----------	--

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 11-May-18 14:26

SP 5 @ 3
H801275-23 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Chloride	704		16.0	mg/kg	4	8050908	HM	09-May-18	4500-Cl-B	
-----------------	------------	--	------	-------	---	---------	----	-----------	-----------	--

Green Analytical Laboratories
Soluble (DI Water Extraction)

Chloride	704		50.0	mg/kg wet	50	B805075	JDA	10-May-18	EPA300.0	
-----------------	------------	--	------	-----------	----	---------	-----	-----------	----------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 11-May-18 14:26

SP 6 @ SURFACE
H801275-24 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Chloride	36400		16.0	mg/kg	4	8050908	HM	09-May-18	4500-Cl-B	
-----------------	--------------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	8050812	MS	08-May-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8050812	MS	08-May-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8050812	MS	08-May-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8050812	MS	08-May-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8050812	MS	08-May-18	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			92.9 %		72-148	8050812	MS	08-May-18	8021B	
--	--	--	--------	--	--------	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	8050811	MS	09-May-18	8015B	
DRO >C10-C28*	286		10.0	mg/kg	1	8050811	MS	09-May-18	8015B	
EXT DRO >C28-C36	149		10.0	mg/kg	1	8050811	MS	09-May-18	8015B	

<i>Surrogate: 1-Chlorooctane</i>			87.4 %		41-142	8050811	MS	09-May-18	8015B	
----------------------------------	--	--	--------	--	--------	---------	----	-----------	-------	--

<i>Surrogate: 1-Chlorooctadecane</i>			112 %		37.6-147	8050811	MS	09-May-18	8015B	
--------------------------------------	--	--	-------	--	----------	---------	----	-----------	-------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 11-May-18 14:26

SP 6 @ 1
H801275-25 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Chloride	432		16.0	mg/kg	4	8050908	HM	09-May-18	4500-Cl-B	
-----------------	------------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	8050812	MS	09-May-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8050812	MS	09-May-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8050812	MS	09-May-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8050812	MS	09-May-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8050812	MS	09-May-18	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			97.5 %		72-148	8050812	MS	09-May-18	8021B	
--	--	--	--------	--	--------	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	8050811	MS	09-May-18	8015B	
DRO >C10-C28*	50.4		10.0	mg/kg	1	8050811	MS	09-May-18	8015B	
EXT DRO >C28-C36	28.3		10.0	mg/kg	1	8050811	MS	09-May-18	8015B	

<i>Surrogate: 1-Chlorooctane</i>			90.5 %		41-142	8050811	MS	09-May-18	8015B	
----------------------------------	--	--	--------	--	--------	---------	----	-----------	-------	--

<i>Surrogate: 1-Chlorooctadecane</i>			98.8 %		37.6-147	8050811	MS	09-May-18	8015B	
--------------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

Green Analytical Laboratories
Soluble (DI Water Extraction)

Chloride	460		10.0	mg/kg wet	10	B805075	JDA	10-May-18	EPA300.0	
-----------------	------------	--	------	-----------	----	---------	-----	-----------	----------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 11-May-18 14:26

SP 7 @ SURFACE
H801275-26 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Chloride	28000		16.0	mg/kg	4	8050908	HM	09-May-18	4500-Cl-B	
-----------------	--------------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	8050812	MS	09-May-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8050812	MS	09-May-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8050812	MS	09-May-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8050812	MS	09-May-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8050812	MS	09-May-18	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			94.2 %		72-148	8050812	MS	09-May-18	8021B	
--	--	--	--------	--	--------	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	8050811	MS	09-May-18	8015B	
DRO >C10-C28*	338		10.0	mg/kg	1	8050811	MS	09-May-18	8015B	
EXT DRO >C28-C36	201		10.0	mg/kg	1	8050811	MS	09-May-18	8015B	

<i>Surrogate: 1-Chlorooctane</i>			92.9 %		41-142	8050811	MS	09-May-18	8015B	
----------------------------------	--	--	--------	--	--------	---------	----	-----------	-------	--

<i>Surrogate: 1-Chlorooctadecane</i>			111 %		37.6-147	8050811	MS	09-May-18	8015B	
--------------------------------------	--	--	-------	--	----------	---------	----	-----------	-------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 11-May-18 14:26

SP 7 @ 1
H801275-27 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Chloride	6700		16.0	mg/kg	4	8050908	HM	09-May-18	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	8050812	MS	09-May-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8050812	MS	09-May-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8050812	MS	09-May-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8050812	MS	09-May-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8050812	MS	09-May-18	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			92.0 %		72-148	8050812	MS	09-May-18	8021B	
--	--	--	--------	--	--------	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	8050811	MS	09-May-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8050811	MS	09-May-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8050811	MS	09-May-18	8015B	

<i>Surrogate: 1-Chlorooctane</i>			96.7 %		41-142	8050811	MS	09-May-18	8015B	
----------------------------------	--	--	--------	--	--------	---------	----	-----------	-------	--

<i>Surrogate: 1-Chlorooctadecane</i>			98.7 %		37.6-147	8050811	MS	09-May-18	8015B	
--------------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 11-May-18 14:26

SP 7 @ 2
H801275-28 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Chloride	4000		16.0	mg/kg	4	8050909	HM	09-May-18	4500-Cl-B	QM-07
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	-------

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 11-May-18 14:26

SP 7 @ 3
H801275-29 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Chloride	3160		16.0	mg/kg	4	8050909	HM	09-May-18	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 11-May-18 14:26

SP 7 @ 4
H801275-30 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Chloride	1100		16.0	mg/kg	4	8050909	HM	09-May-18	4500-Cl-B	
----------	------	--	------	-------	---	---------	----	-----------	-----------	--

Green Analytical Laboratories
Soluble (DI Water Extraction)

Chloride	972		50.0	mg/kg wet	50	B805075	JDA	10-May-18	EPA300.0	
----------	-----	--	------	-----------	----	---------	-----	-----------	----------	--

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 11-May-18 14:26

SP 8 @ SURFACE
H801275-31 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Chloride	30000		16.0	mg/kg	4	8050909	HM	09-May-18	4500-Cl-B	
-----------------	--------------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	8050812	MS	09-May-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8050812	MS	09-May-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8050812	MS	09-May-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8050812	MS	09-May-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8050812	MS	09-May-18	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			<i>94.1 %</i>		<i>72-148</i>	<i>8050812</i>	MS	<i>09-May-18</i>	<i>8021B</i>	
--	--	--	---------------	--	---------------	----------------	----	------------------	--------------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	8050811	MS	09-May-18	8015B	
DRO >C10-C28*	258		10.0	mg/kg	1	8050811	MS	09-May-18	8015B	
EXT DRO >C28-C36	148		10.0	mg/kg	1	8050811	MS	09-May-18	8015B	

<i>Surrogate: 1-Chlorooctane</i>			<i>91.0 %</i>		<i>41-142</i>	<i>8050811</i>	MS	<i>09-May-18</i>	<i>8015B</i>	
----------------------------------	--	--	---------------	--	---------------	----------------	----	------------------	--------------	--

<i>Surrogate: 1-Chlorooctadecane</i>			<i>106 %</i>		<i>37.6-147</i>	<i>8050811</i>	MS	<i>09-May-18</i>	<i>8015B</i>	
--------------------------------------	--	--	--------------	--	-----------------	----------------	----	------------------	--------------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 11-May-18 14:26

SP 8 @ 1
H801275-32 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Chloride	3600		16.0	mg/kg	4	8050909	HM	09-May-18	4500-CI-B	
----------	------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	8050812	MS	09-May-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8050812	MS	09-May-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8050812	MS	09-May-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8050812	MS	09-May-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8050812	MS	09-May-18	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			97.5 %		72-148	8050812	MS	09-May-18	8021B	
---------------------------------------	--	--	--------	--	--------	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	8050811	MS	09-May-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8050811	MS	09-May-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8050811	MS	09-May-18	8015B	

Surrogate: 1-Chlorooctane			93.9 %		41-142	8050811	MS	09-May-18	8015B	
---------------------------	--	--	--------	--	--------	---------	----	-----------	-------	--

Surrogate: 1-Chlorooctadecane			94.0 %		37.6-147	8050811	MS	09-May-18	8015B	
-------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 11-May-18 14:26

SP 8 @ 2
H801275-33 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Chloride	2280		16.0	mg/kg	4	8050909	HM	09-May-18	4500-Cl-B	
----------	------	--	------	-------	---	---------	----	-----------	-----------	--

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 11-May-18 14:26

SP 8 @ 3
H801275-34 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Chloride	1220		16.0	mg/kg	4	8050909	HM	09-May-18	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

Green Analytical Laboratories
Soluble (DI Water Extraction)

Chloride	1190		50.0	mg/kg wet	50	B805075	JDA	10-May-18	EPA300.0	
-----------------	-------------	--	------	-----------	----	---------	-----	-----------	----------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 11-May-18 14:26

SP N @ SURFACE
H801275-35 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Chloride	1020		16.0	mg/kg	4	8050909	HM	09-May-18	4500-Cl-B	
----------	------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	8050812	MS	09-May-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8050812	MS	09-May-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8050812	MS	09-May-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8050812	MS	09-May-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8050812	MS	09-May-18	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			97.2 %		72-148	8050812	MS	09-May-18	8021B	
---------------------------------------	--	--	--------	--	--------	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	8050811	MS	09-May-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8050811	MS	09-May-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8050811	MS	09-May-18	8015B	

Surrogate: 1-Chlorooctane			90.9 %		41-142	8050811	MS	09-May-18	8015B	
---------------------------	--	--	--------	--	--------	---------	----	-----------	-------	--

Surrogate: 1-Chlorooctadecane			92.1 %		37.6-147	8050811	MS	09-May-18	8015B	
-------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 11-May-18 14:26

SP E @ SURFACE
H801275-36 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Chloride	864		16.0	mg/kg	4	8050909	HM	09-May-18	4500-Cl-B	
----------	-----	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	8050812	MS	09-May-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8050812	MS	09-May-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8050812	MS	09-May-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8050812	MS	09-May-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8050812	MS	09-May-18	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			95.9 %		72-148	8050812	MS	09-May-18	8021B	
---------------------------------------	--	--	--------	--	--------	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	8050811	MS	09-May-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8050811	MS	09-May-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8050811	MS	09-May-18	8015B	

Surrogate: 1-Chlorooctane			90.7 %		41-142	8050811	MS	09-May-18	8015B	
---------------------------	--	--	--------	--	--------	---------	----	-----------	-------	--

Surrogate: 1-Chlorooctadecane			91.5 %		37.6-147	8050811	MS	09-May-18	8015B	
-------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 11-May-18 14:26

SP W @ SURFACE
H801275-37 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Chloride	416		16.0	mg/kg	4	8050909	HM	09-May-18	4500-Cl-B	
-----------------	------------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	8050812	MS	09-May-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8050812	MS	09-May-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8050812	MS	09-May-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8050812	MS	09-May-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8050812	MS	09-May-18	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			95.5 %		72-148	8050812	MS	09-May-18	8021B	
--	--	--	--------	--	--------	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	8050811	MS	09-May-18	8015B	
DRO >C10-C28*	54.1		10.0	mg/kg	1	8050811	MS	09-May-18	8015B	
EXT DRO >C28-C36	24.5		10.0	mg/kg	1	8050811	MS	09-May-18	8015B	

<i>Surrogate: 1-Chlorooctane</i>			92.3 %		41-142	8050811	MS	09-May-18	8015B	
----------------------------------	--	--	--------	--	--------	---------	----	-----------	-------	--

<i>Surrogate: 1-Chlorooctadecane</i>			96.8 %		37.6-147	8050811	MS	09-May-18	8015B	
--------------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 11-May-18 14:26

SP S @ SURFACE
H801275-38 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Chloride	800		16.0	mg/kg	4	8050909	HM	09-May-18	4500-Cl-B	
-----------------	------------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	8050812	MS	09-May-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8050812	MS	09-May-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8050812	MS	09-May-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8050812	MS	09-May-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8050812	MS	09-May-18	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			<i>91.4 %</i>		<i>72-148</i>	<i>8050812</i>	MS	<i>09-May-18</i>	<i>8021B</i>	
--	--	--	---------------	--	---------------	----------------	----	------------------	--------------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	8050811	MS	09-May-18	8015B	
DRO >C10-C28*	14.0		10.0	mg/kg	1	8050811	MS	09-May-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8050811	MS	09-May-18	8015B	

<i>Surrogate: 1-Chlorooctane</i>			<i>93.5 %</i>		<i>41-142</i>	<i>8050811</i>	MS	<i>09-May-18</i>	<i>8015B</i>	
----------------------------------	--	--	---------------	--	---------------	----------------	----	------------------	--------------	--

<i>Surrogate: 1-Chlorooctadecane</i>			<i>95.1 %</i>		<i>37.6-147</i>	<i>8050811</i>	MS	<i>09-May-18</i>	<i>8015B</i>	
--------------------------------------	--	--	---------------	--	-----------------	----------------	----	------------------	--------------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 11-May-18 14:26

Inorganic Compounds - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8050808 - 1:4 DI Water										
Blank (8050808-BLK1)										
Prepared & Analyzed: 08-May-18										
Chloride	ND	16.0	mg/kg							
LCS (8050808-BS1)										
Prepared & Analyzed: 08-May-18										
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (8050808-BSD1)										
Prepared & Analyzed: 08-May-18										
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	
Batch 8050908 - 1:4 DI Water										
Blank (8050908-BLK1)										
Prepared & Analyzed: 09-May-18										
Chloride	ND	16.0	mg/kg							
LCS (8050908-BS1)										
Prepared & Analyzed: 09-May-18										
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (8050908-BSD1)										
Prepared & Analyzed: 09-May-18										
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	
Batch 8050909 - 1:4 DI Water										
Blank (8050909-BLK1)										
Prepared & Analyzed: 09-May-18										
Chloride	ND	16.0	mg/kg							
LCS (8050909-BS1)										
Prepared & Analyzed: 09-May-18										
Chloride	432	16.0	mg/kg	400		108	80-120			

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 11-May-18 14:26

Inorganic Compounds - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch 8050909 - 1:4 DI Water
LCS Dup (8050909-BSD1)

Prepared & Analyzed: 09-May-18

Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	
----------	-----	------	-------	-----	--	-----	--------	------	----	--

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 11-May-18 14:26

Volatile Organic Compounds by EPA Method 8021 - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 8050809 - Volatiles
Blank (8050809-BLK1)

Prepared & Analyzed: 08-May-18

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>	<i>0.101</i>		<i>mg/kg</i>	<i>0.100</i>		<i>101</i>	<i>72-148</i>			

LCS (8050809-BS1)

Prepared & Analyzed: 08-May-18

Benzene	1.98	0.050	mg/kg	2.00		99.1	79.5-124			
Toluene	2.06	0.050	mg/kg	2.00		103	75.5-127			
Ethylbenzene	2.09	0.050	mg/kg	2.00		105	77.7-125			
Total Xylenes	6.48	0.150	mg/kg	6.00		108	70.9-124			
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>	<i>0.0972</i>		<i>mg/kg</i>	<i>0.100</i>		<i>97.2</i>	<i>72-148</i>			

LCS Dup (8050809-BSD1)

Prepared & Analyzed: 08-May-18

Benzene	1.98	0.050	mg/kg	2.00		99.2	79.5-124	0.100	6.5	
Toluene	2.08	0.050	mg/kg	2.00		104	75.5-127	0.828	7.02	
Ethylbenzene	2.11	0.050	mg/kg	2.00		105	77.7-125	0.693	7.83	
Total Xylenes	6.54	0.150	mg/kg	6.00		109	70.9-124	0.896	7.78	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>	<i>0.0988</i>		<i>mg/kg</i>	<i>0.100</i>		<i>98.8</i>	<i>72-148</i>			

Batch 8050812 - Volatiles
Blank (8050812-BLK1)

Prepared & Analyzed: 08-May-18

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>	<i>0.0920</i>		<i>mg/kg</i>	<i>0.100</i>		<i>92.0</i>	<i>72-148</i>			

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 11-May-18 14:26

Volatile Organic Compounds by EPA Method 8021 - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 8050812 - Volatiles
LCS (8050812-BS1)

Prepared & Analyzed: 08-May-18

Benzene	2.01	0.050	mg/kg	2.00		100	79.5-124			
Toluene	1.97	0.050	mg/kg	2.00		98.7	75.5-127			
Ethylbenzene	1.97	0.050	mg/kg	2.00		98.6	77.7-125			
Total Xylenes	5.90	0.150	mg/kg	6.00		98.4	70.9-124			
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>	<i>0.0972</i>		mg/kg	<i>0.100</i>		<i>97.2</i>	<i>72-148</i>			

LCS Dup (8050812-BSD1)

Prepared & Analyzed: 08-May-18

Benzene	1.99	0.050	mg/kg	2.00		99.5	79.5-124	0.759	6.5	
Toluene	1.97	0.050	mg/kg	2.00		98.5	75.5-127	0.227	7.02	
Ethylbenzene	1.96	0.050	mg/kg	2.00		97.9	77.7-125	0.765	7.83	
Total Xylenes	5.86	0.150	mg/kg	6.00		97.6	70.9-124	0.796	7.78	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>	<i>0.0923</i>		mg/kg	<i>0.100</i>		<i>92.3</i>	<i>72-148</i>			

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 11-May-18 14:26

Petroleum Hydrocarbons by GC FID - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 8050810 - General Prep - Organics
Blank (8050810-BLK1)

Prepared & Analyzed: 08-May-18

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C35	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Total TPH C6-C28	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	43.4		mg/kg	50.0		86.7	41-142			
Surrogate: 1-Chlorooctadecane	38.4		mg/kg	50.0		76.7	37.6-147			

LCS (8050810-BS1)

Prepared & Analyzed: 08-May-18

GRO C6-C10	206	10.0	mg/kg	200		103	76.5-133			
DRO >C10-C28	198	10.0	mg/kg	200		99.2	72.9-138			
Total TPH C6-C28	405	10.0	mg/kg	400		101	78-132			
Surrogate: 1-Chlorooctane	45.1		mg/kg	50.0		90.2	41-142			
Surrogate: 1-Chlorooctadecane	42.5		mg/kg	50.0		85.0	37.6-147			

LCS Dup (8050810-BSD1)

Prepared & Analyzed: 08-May-18

GRO C6-C10	209	10.0	mg/kg	200		104	76.5-133	1.14	20.6	
DRO >C10-C28	200	10.0	mg/kg	200		100	72.9-138	0.959	20.6	
Total TPH C6-C28	409	10.0	mg/kg	400		102	78-132	1.05	18	
Surrogate: 1-Chlorooctane	45.7		mg/kg	50.0		91.4	41-142			
Surrogate: 1-Chlorooctadecane	43.2		mg/kg	50.0		86.5	37.6-147			

Batch 8050811 - General Prep - Organics
Blank (8050811-BLK1)

Prepared: 08-May-18 Analyzed: 09-May-18

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C35	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Total TPH C6-C28	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	52.8		mg/kg	50.0		106	41-142			
Surrogate: 1-Chlorooctadecane	55.1		mg/kg	50.0		110	37.6-147			

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 11-May-18 14:26

Petroleum Hydrocarbons by GC FID - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 8050811 - General Prep - Organics
LCS (8050811-BS1)

Prepared: 08-May-18 Analyzed: 09-May-18

GRO C6-C10	210	10.0	mg/kg	200		105	76.5-133			
DRO >C10-C28	210	10.0	mg/kg	200		105	72.9-138			
Total TPH C6-C28	420	10.0	mg/kg	400		105	78-132			
<i>Surrogate: 1-Chlorooctane</i>	55.8		mg/kg	50.0		112	41-142			
<i>Surrogate: 1-Chlorooctadecane</i>	59.2		mg/kg	50.0		118	37.6-147			

LCS Dup (8050811-BSD1)

Prepared: 08-May-18 Analyzed: 09-May-18

GRO C6-C10	216	10.0	mg/kg	200		108	76.5-133	2.71	20.6	
DRO >C10-C28	219	10.0	mg/kg	200		109	72.9-138	4.15	20.6	
Total TPH C6-C28	435	10.0	mg/kg	400		109	78-132	3.43	18	
<i>Surrogate: 1-Chlorooctane</i>	55.9		mg/kg	50.0		112	41-142			
<i>Surrogate: 1-Chlorooctadecane</i>	59.1		mg/kg	50.0		118	37.6-147			

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: SMITH RANCH FEDERAL #2 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 11-May-18 14:26
--	---	------------------------------

Soluble (DI Water Extraction) - Quality Control
Green Analytical Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B805075 - General Prep - Wet Chem

Blank (B805075-BLK1)		Prepared & Analyzed: 10-May-18								
Chloride	ND	10.0	mg/kg wet							
LCS (B805075-BS1)		Prepared & Analyzed: 10-May-18								
Chloride	235	10.0	mg/kg wet	250		94.2	85-115			
LCS Dup (B805075-BSD1)		Prepared & Analyzed: 10-May-18								
Chloride	234	10.0	mg/kg wet	250		93.6	85-115	0.562	20	

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.		BILL TO		ANALYSIS REQUEST											
Project Manager: Cliff Brunson		P.O. #:													
Address: P.O. Box 805		Company:													
City: Hobbs State: NM Zip: 88241		Attn: <i>haskell</i>													
Phone #: 575-397-6388 Fax #: 575-397-0397		Address: <i>COG</i>													
Project #: Project Owner: <i>COG</i>		City:													
Project Name: <i>Smith Ranch Fed #2</i>		State: Zip:													
Project Location:		Phone #:													
Sampler Name: <i>Jeff Ornelas</i>		Fax #:													

FOR LAB USE ONLY		(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.		SAMPLING		DATE	TIME	CL	BTEX	TPH EXT	CI-300S
Lab I.D.	Sample I.D.			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :							
<i>11</i>	<i>SP 2 @ 1</i>	<i>5</i>	<i>1</i>			<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>		<i>5-4-18</i>	<i>11:15</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
<i>12</i>	<i>SP 2 @ 2</i>	<i>5</i>	<i>1</i>			<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>		<i>11:31</i>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
<i>13</i>	<i>SP 3 @ SW</i>	<i>5</i>	<i>1</i>			<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>		<i>11:45</i>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
<i>14</i>	<i>SP 3 @ 1</i>	<i>5</i>	<i>1</i>			<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>		<i>2:11</i>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
<i>15</i>	<i>SP 3 @ 2</i>	<i>5</i>	<i>1</i>			<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>		<i>2:33</i>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
<i>16</i>	<i>SP 3 @ 3</i>	<i>5</i>	<i>1</i>			<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>		<i>3:11</i>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
<i>17</i>	<i>SP 4 @ SW</i>	<i>5</i>	<i>1</i>			<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>		<i>5-7-18</i>	<i>4:14</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
<i>18</i>	<i>SP 4 @ 1</i>	<i>5</i>	<i>1</i>			<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>		<i>4:45</i>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
<i>19</i>	<i>SP 4 @ 2</i>	<i>5</i>	<i>1</i>			<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>		<i>10:15</i>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
<i>20</i>	<i>SP 5 @ SW</i>	<i>5</i>	<i>1</i>			<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: <i>Jeff Ornelas</i>	Date: <i>5-7-18</i>	Received By: <i>Julie Hanson</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By: <i>Julie Hanson</i>	Date: <i>5-8-18</i>	Received By: <i>Jeff Hanson</i>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) <i>UPS</i>	Time: <i>5:07</i>	Sample Condition: <i>7.80/-7.85e</i>	REMARKS: <i>CC email COG</i>	
Sampler - UPS - Bus - Other:	Time: <i>5:07</i>	Checked By: <i>JA</i>	<i>RUSH!</i>	

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



ARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.		BILL TO		ANALYSIS REQUEST											
Project Manager: Cliff Brunson		P.O. #:													
Address: P.O. Box 805		Company:													
City: Hobbs State: NM Zip: 88241		Attn: Ch Stall													
Phone #: 575-397-6388 Fax #: 575-397-0397		Address: COG													
Project #: Project Owner: COG		City:													
Project Name: Smith Ranch Fed #2		State: Zip:													
Project Location:		Phone #:													
Sampler Name: Jeff Ornelas		Fax #:													

FOR LAB USE ONLY		(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.		SAMPLING		CL 4500	BTFA	TPH Ext	CI 3008
Lab I.D.	Sample I.D.			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE				
H80175																	
31	SP 8 @ Swr	5	1			✓			✓		5-7-18	1:25	✓	✓	✓		
32	SP 8 @ 1	5	1			✓			✓			1:41	✓	✓	✓		
33	SP 8 @ 2	5	1			✓			✓			2:15	✓	✓	✓		
34	SP 8 @ 3	5	1			✓			✓			2:22	✓	✓	✓		
35	SP N @ Swr	5	1			✓			✓			2:33	✓	✓	✓		
36	SP E @ Swr	5	1			✓			✓			2:44	✓	✓	✓		
37	SP W @ Swr	5	1			✓			✓			2:55	✓	✓	✓		
38	SP S @ Swr	5	1			✓			✓			3:11	✓	✓	✓		
Jodi Benson																	

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: Jeff Ornelas	Date: 5/7/18	Received By: Jodi Benson	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By: Jodi Benson	Date: 5-9-18	Received By: Jodi Benson	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) UPS	Temperature: -7.8°C / -7.85°C	Sample Condition: <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact	REMARKS: cc email COG RUSH!	
Sampler - UPS - Bus - Other:		Checked By: JH		

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

May 21, 2018

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: SMITH RANCH FEDERAL #2

Enclosed are the results of analyses for samples received by the laboratory on 05/11/18 9:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-17-10. 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	Total Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:BBC International, Inc.
P.O. Box 805
Hobbs NM, 88241Project: SMITH RANCH FEDERAL #2
Project Number: NONE GIVEN
Project Manager: Cliff Brunson
Fax To: (575) 397-0397Reported:
21-May-18 12:41

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP 9 @ 4'	H801322-01	Soil	10-May-18 15:00	11-May-18 09:30
SP 9 @ 5'	H801322-02	Soil	10-May-18 15:10	11-May-18 09:30

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 21-May-18 12:41

SP 9 @ 4'
H801322-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Chloride	5760		16.0	mg/kg	4	8051411	AC	14-May-18	4500-Cl-B	QM-07
----------	------	--	------	-------	---	---------	----	-----------	-----------	-------

Green Analytical Laboratories
Soluble (DI Water Extraction)

Chloride	5540		200	mg/kg wet	200	B805121	JDA	17-May-18	EPA300.0	
----------	------	--	-----	-----------	-----	---------	-----	-----------	----------	--

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 21-May-18 12:41

SP 9 @ 5'
H801322-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Chloride	48.0		16.0	mg/kg	4	8051411	AC	14-May-18	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

Green Analytical Laboratories
Soluble (DI Water Extraction)

Chloride	16.5		10.0	mg/kg wet	10	B805121	JDA	17-May-18	EPA300.0	
-----------------	-------------	--	------	-----------	----	---------	-----	-----------	----------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 21-May-18 12:41

Inorganic Compounds - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8051411 - 1:4 DI Water										
Blank (8051411-BLK1)										
Prepared & Analyzed: 14-May-18										
Chloride	ND	16.0	mg/kg							
LCS (8051411-BS1)										
Prepared & Analyzed: 14-May-18										
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (8051411-BSD1)										
Prepared & Analyzed: 14-May-18										
Chloride	448	16.0	mg/kg	400		112	80-120	3.64	20	

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 21-May-18 12:41

Soluble (DI Water Extraction) - Quality Control
Green Analytical Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B805121 - General Prep - Wet Chem
Blank (B805121-BLK1)

Prepared: 16-May-18 Analyzed: 17-May-18

Chloride ND 10.0 mg/kg wet

LCS (B805121-BS1)

Prepared: 16-May-18 Analyzed: 17-May-18

Chloride 232 10.0 mg/kg wet 250 92.8 85-115

LCS Dup (B805121-BSD1)

Prepared: 16-May-18 Analyzed: 17-May-18

Chloride 235 10.0 mg/kg wet 250 93.9 85-115 1.23 20

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101

Company Name: BBC International, Inc.		BILL TO		ANALYSIS REQUEST											
Project Manager: Cliff Brunson		P.O. #:													
Address: P.O. Box 805		Company:													
City: Hobbs State: NM Zip: 88241		Attn: <i>Becky</i>													
Phone #: 575-397-6388 Fax #: 575-397-0397		Address:													
Project #: Project Owner: <i>COG</i>		City:													
Project Name: <i>Smith Ranch Fed 2</i>		State: Zip:													
Project Location:		Phone #:													
Sampler Name: <i>Prize Brunson</i>		Fax #:													

FOR LAB USE ONLY		(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.	SAMPLING		DATE	TIME	✓	✓
Lab I.D.	Sample I.D.			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL				
<i>H801322</i>															
<i>1</i>	<i>SP9 @ 4'</i>	<i>G</i>	<i>1</i>									<i>5/9/18</i>	<i>300</i>	<i>✓</i>	<i>✓</i>
<i>2</i>	<i>SP9 @ 5'</i>	<i>G</i>	<i>1</i>									<i>5/10/18</i>	<i>310</i>	<i>✓</i>	<i>✓</i>

CI 4500
CI 3005

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: <i>[Signature]</i>	Date: <i>5/9/18</i> Time: <i>5:00</i>	Received By: <i>Jennifer Colby</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By: <i>Jennifer Colby</i>	Date: <i>5-11-18</i> Time: <i>9:30</i>	Received By: <i>Jauara Aldrete</i>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:
Delivered By: (Circle One) <i>2.3c</i>	Sample Condition: <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact	CHECKED BY: <i>[Signature]</i> (Initials): <i>TO #75</i>	REMARKS: <i>email COG</i>
Sampler - UPS - Bus - Other: <i>Corrected 2.3c</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

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

May 29, 2018

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: SMITH RANCH FEDERAL #2

Enclosed are the results of analyses for samples received by the laboratory on 05/22/18 11:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-17-10. 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	Total Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 29-May-18 16:29

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
2 @ 3'	H801408-01	Soil	17-May-18 10:30	22-May-18 11:20
4 @ 3'	H801408-02	Soil	17-May-18 11:11	22-May-18 11:20
7 @ 5'	H801408-03	Soil	17-May-18 12:45	22-May-18 11:20
8 @ 4'	H801408-04	Soil	17-May-18 14:01	22-May-18 11:20
NORTH @ SURFACE	H801408-05	Soil	17-May-18 14:39	22-May-18 11:20
EAST @ SURFACE	H801408-06	Soil	17-May-18 15:15	22-May-18 11:20
SOUTH @ SURFACE	H801408-07	Soil	17-May-18 15:30	22-May-18 11:20

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 29-May-18 16:29

2 @ 3'
H801408-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Chloride	640		16.0	mg/kg	4	8052206	AC	22-May-18	4500-Cl-B	
-----------------	------------	--	------	-------	---	---------	----	-----------	-----------	--

Green Analytical Laboratories
Soluble (DI Water Extraction)

Chloride	500		50.0	mg/kg wet	50	B805183	JDA	24-May-18	EPA300.0	
-----------------	------------	--	------	-----------	----	---------	-----	-----------	----------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 29-May-18 16:29

4 @ 3'
H801408-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Chloride	32.0		16.0	mg/kg	4	8052206	AC	22-May-18	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

Green Analytical Laboratories
Soluble (DI Water Extraction)

Chloride	12.3		10.0	mg/kg wet	10	B805183	JDA	24-May-18	EPA300.0	
-----------------	-------------	--	------	-----------	----	---------	-----	-----------	----------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 29-May-18 16:29

7 @ 5'

H801408-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Chloride	512		16.0	mg/kg	4	8052206	AC	22-May-18	4500-Cl-B	
----------	-----	--	------	-------	---	---------	----	-----------	-----------	--

Green Analytical Laboratories
Soluble (DI Water Extraction)

Chloride	479		10.0	mg/kg wet	10	B805183	JDA	24-May-18	EPA300.0	
----------	-----	--	------	-----------	----	---------	-----	-----------	----------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 29-May-18 16:29

8 @ 4'
H801408-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Chloride	32.0		16.0	mg/kg	4	8052206	AC	22-May-18	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

Green Analytical Laboratories
Soluble (DI Water Extraction)

Chloride	21.8		10.0	mg/kg wet	10	B805183	JDA	24-May-18	EPA300.0	
-----------------	-------------	--	------	-----------	----	---------	-----	-----------	----------	--

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 29-May-18 16:29

NORTH @ SURFACE
H801408-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Chloride	48.0		16.0	mg/kg	4	8052206	AC	22-May-18	4500-Cl-B	
----------	------	--	------	-------	---	---------	----	-----------	-----------	--

Green Analytical Laboratories
Soluble (DI Water Extraction)

Chloride	27.6		10.0	mg/kg wet	10	B805183	JDA	24-May-18	EPA300.0	
----------	------	--	------	-----------	----	---------	-----	-----------	----------	--

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 29-May-18 16:29

EAST @ SURFACE
H801408-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Chloride	32.0		16.0	mg/kg	4	8052206	AC	22-May-18	4500-Cl-B	
----------	------	--	------	-------	---	---------	----	-----------	-----------	--

Green Analytical Laboratories
Soluble (DI Water Extraction)

Chloride	23.5		10.0	mg/kg wet	10	B805183	JDA	24-May-18	EPA300.0	
----------	------	--	------	-----------	----	---------	-----	-----------	----------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 29-May-18 16:29

SOUTH @ SURFACE
H801408-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Chloride	48.0		16.0	mg/kg	4	8052206	AC	22-May-18	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

Green Analytical Laboratories
Soluble (DI Water Extraction)

Chloride	22.7		10.0	mg/kg wet	10	B805183	JDA	24-May-18	EPA300.0	
-----------------	-------------	--	------	-----------	----	---------	-----	-----------	----------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 29-May-18 16:29

Inorganic Compounds - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8052206 - 1:4 DI Water										
Blank (8052206-BLK1)										
Prepared & Analyzed: 22-May-18										
Chloride	ND	16.0	mg/kg							
LCS (8052206-BS1)										
Prepared & Analyzed: 22-May-18										
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (8052206-BSD1)										
Prepared & Analyzed: 22-May-18										
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 29-May-18 16:29

Soluble (DI Water Extraction) - Quality Control
Green Analytical Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B805183 - General Prep - Wet Chem
Blank (B805183-BLK1)

Prepared: 24-May-18 Analyzed: 25-May-18

Chloride	ND	10.0	mg/kg wet							
----------	----	------	-----------	--	--	--	--	--	--	--

LCS (B805183-BS1)

Prepared & Analyzed: 24-May-18

Chloride	240	10.0	mg/kg wet	250		96.1	85-115			
----------	-----	------	-----------	-----	--	------	--------	--	--	--

LCS Dup (B805183-BSD1)

Prepared & Analyzed: 24-May-18

Chloride	234	10.0	mg/kg wet	250		93.5	85-115	2.74	20	
----------	-----	------	-----------	-----	--	------	--------	------	----	--

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.		BILL TO		ANALYSIS REQUEST																								
Project Manager: Cliff Brunson		P.O. #:																										
Address: P.O. Box 805		Company:																										
City: Hobbs State: NM Zip: 88241		Attn:																										
Phone #: 575-397-6388 Fax #: 575-397-0397		Address:																										
Project #: Project Owner: COG		City:																										
Project Name: Smith Ranch Fed 2		State: Zip:																										
Project Location:		Phone #:																										
Sampler Name: Jeff Orndas		Fax #:																										
FOR LAB USE ONLY																												
Lab I.D. H801408		Sample I.D.																										
		(GRAB OR (COMP. # CONTAINERS		MATRIX				PRESERV.		SAMPLING																		
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE		TIME													
1		2503		G									5/17/18		1030		CF 4500											
2		403		G									5/17/18		1111		CF 300											
3		205		G									5/17/18		1245													
4		804		G									5/17/18		201													
5		N @ Surface		G									5/17/18		239													
6		E @ Surface		G									5/17/18		315													
7		S @ Surface		G									5/17/18		330													

PLEASE NOTE: Liability and Damages, Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: Jeff Orndas		Date: 5/17/18		Received By: [Signature]		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
		Time: 9:30pm				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	
Relinquished By: [Signature]		Date: 5-22-18		Received By: [Signature]		REMARKS:			
		Time: 11:20							
Delivered By: (Circle One)		-3.82		Sample Condition		CHECKED BY (Initials)			
Sampler - UPS - Bus - Other:		Corrected -3.85		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		TO: #75			

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

July 09, 2018

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: SMITH RANCH FEDERAL #2

Enclosed are the results of analyses for samples received by the laboratory on 07/02/18 9:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-17-10. 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	Total Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:BBC International, Inc.
P.O. Box 805
Hobbs NM, 88241Project: SMITH RANCH FEDERAL #2
Project Number: NONE GIVEN
Project Manager: Cliff Brunson
Fax To: (575) 397-0397Reported:
09-Jul-18 17:01

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP5 @ 4'	H801795-01	Soil	25-Jun-18 09:30	02-Jul-18 09:05
SP5 @ 5'	H801795-02	Soil	25-Jun-18 09:55	02-Jul-18 09:05

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 09-Jul-18 17:01

SP5 @ 4'
H801795-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Chloride	<16.0		16.0	mg/kg	4	8070207	AC	03-Jul-18	4500-Cl-B	
----------	-------	--	------	-------	---	---------	----	-----------	-----------	--

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 09-Jul-18 17:01

SP5 @ 5'
H801795-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Chloride	<16.0		16.0	mg/kg	4	8070207	AC	03-Jul-18	4500-Cl-B	
----------	-------	--	------	-------	---	---------	----	-----------	-----------	--

Green Analytical Laboratories
Soluble (DI Water Extraction)

Chloride	<10.0		10.0	mg/kg wet	10	B807045	AES	09-Jul-18	EPA300.0	
----------	-------	--	------	-----------	----	---------	-----	-----------	----------	--

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 P.O. Box 805
 Hobbs NM, 88241

 Project: SMITH RANCH FEDERAL #2
 Project Number: NONE GIVEN
 Project Manager: Cliff Brunson
 Fax To: (575) 397-0397

 Reported:
 09-Jul-18 17:01

Inorganic Compounds - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8070207 - 1:4 DI Water										
Blank (8070207-BLK1)										
Prepared & Analyzed: 02-Jul-18										
Chloride	ND	16.0	mg/kg							
LCS (8070207-BS1)										
Prepared & Analyzed: 02-Jul-18										
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (8070207-BSD1)										
Prepared & Analyzed: 02-Jul-18										
Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20	

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: SMITH RANCH FEDERAL #2 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 09-Jul-18 17:01
--	---	------------------------------

Soluble (DI Water Extraction) - Quality Control
Green Analytical Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B807045 - General Prep - Wet Chem
Blank (B807045-BLK1)

Prepared: 05-Jul-18 Analyzed: 06-Jul-18

Chloride	ND	1.00	mg/kg wet							
----------	----	------	-----------	--	--	--	--	--	--	--

LCS (B807045-BS1)

Prepared: 05-Jul-18 Analyzed: 06-Jul-18

Chloride	245	10.0	mg/kg wet	250		98.1	85-115			
----------	-----	------	-----------	-----	--	------	--------	--	--	--

LCS Dup (B807045-BSD1)

Prepared: 05-Jul-18 Analyzed: 06-Jul-18

Chloride	245	10.0	mg/kg wet	250		97.9	85-115	0.159	20	
----------	-----	------	-----------	-----	--	------	--------	-------	----	--

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 1

Company Name: BBC International, Inc.				BILL TO				ANALYSIS REQUEST																							
Project Manager: Cliff Brunson				P.O. #:																											
Address: P.O. Box 805				Company: <i>COG</i>																											
City: Hobbs		State: NM		Zip: 88241		Attn: <i>Becky Haskell</i>																									
Phone #: 575-397-6388		Fax #: 575-397-0397		Address:																											
Project #:		Project Owner:		City:																											
Project Name: Smith Ranch Federal #002				State:																Zip:											
Project Location: Lea County, NM				Phone #:																											
Sampler Name: Jeff Ornelas				Fax #:																											
FOR LAB USE ONLY																															
Lab I.D.		Sample I.D.		G/C	# CONTAINERS	MATRIX														PRESERV.			SAMPLING		<i>CI-4500</i>	<i>CI-300</i>					
<i>HS01795</i>						GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME															
<i>1</i>		SP5 @ 4'		<i>GC</i>	<i>1</i>			<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>		6/25/18	9:30 AM	<input checked="" type="checkbox"/>														
<i>2</i>		SP5 @ 5'		<i>GC</i>	<i>1</i>			<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>		6/25/18	9:55 AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>													

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-141
Revised April 3, 2017

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company: COG Operating, LLC (OGRID# 229137)	Contact: Robert McNeill
Address: 600 West Illinois Avenue, Midland TX 79701	Telephone No.: 432-683-7443
Facility Name: Smith Ranch Federal #002	Facility Type: Tank Battery

Surface Owner: BLM	Mineral Owner: Federal	API No.: 30-025-31138
--------------------	------------------------	-----------------------

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	11	20S	33E	660	North	1980	West	Lea

Latitude: 32.5931206 Longitude: -103.6361542 NAD83

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: 50bbls	Volume Recovered: 40bbls
Source of Release: Tank	Date and Hour of Occurrence: 3/31/2018	Date and Hour of Discovery: 3/31/2018 2:30pm
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Olivia Yu-NMOCD Shelly Tucker-BLM	
By Whom? Sheldon Hitchcock	Date and Hour: April 1, 2018 8:50pm	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

RECEIVED
By Olivia Yu at 1:14 pm, Apr 03, 2018

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
The produced water tank failed around the bottom releasing approximately 50bbls of fluid. The tank will be replaced.

Describe Area Affected and Cleanup Action Taken.*
All of the fluid remained inside of the berms of the unlined tank battery. A vacuum truck was utilized to recover all freestanding fluids. Concho will have the spill area evaluated for any possible impact from the release and we will present a remediation work plan to NMOCD for approval prior to any significant 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 NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: <i>Sheldon Hitchcock</i>		<u>OIL CONSERVATION DIVISION</u>	
Printed Name: Sheldon L. Hitchcock		Approved by Environmental Specialist: <i>by</i>	
Title: HSE Coordinator	Approval Date: 4/3/2018	Expiration Date:	
E-mail Address: slhitchcock@concho.com	Conditions of Approval: see attached directive		Attached <input checked="" type="checkbox"/>
Date: 4/2/2018	Phone: 575-746-2010		

* Attach Additional Sheets If Necessary

1RP-5007

nOY1809347988

pOY1809348164

Operator/Responsible Party,

The OCD has received the form C-141 you provided on 4/2/2018 regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number 1RP-5007 has been assigned. **Please refer to this case number in all future correspondence.**

It is the Division's obligation under both the Oil & Gas Act and Water Quality Act to provide for the protection of public health and the environment. Our regulations (19.15.29.11 NMAC) state the following,

The responsible person shall complete division-approved corrective action for releases that endanger public health or the environment. The responsible person shall address releases in accordance with a remediation plan submitted to and approved by the division or with an abatement plan submitted in accordance with 19.15.30 NMAC. [emphasis added]

Release characterization is the first phase of corrective action unless the release is ongoing or is of limited volume and all impacts can be immediately addressed. Proper and cost-effective remediation typically cannot occur without adequate characterization of the impacts of any release. Furthermore, the Division has the ability to impose reasonable conditions upon the efforts it oversees. **As such, the Division is requiring a workplan for the characterization of impacts associated with this release be submitted to the OCD District 1 office in Hobbs on or before 5/3/2018. If and when the release characterization workplan is approved, there will be an associated deadline for submittal of the resultant investigation report. Modest extensions of time to these deadlines may be granted, but only with acceptable justification.**

The goals of a characterization effort are: 1) determination of the lateral and vertical extents along with the magnitude of soil contamination. 2) determine if groundwater or surface waters have been impacted. 3) If groundwater or surface waters have been impacted, what are the extents and magnitude of that impact. 4) The characterization of any other adverse impacts that may have occurred (examples: impacts on vegetation, impacts on wildlife, air quality, loss of use of property, etc.). To meet these goals as quickly as possible, the following items must, at a minimum, be addressed in the release characterization workplan and subsequent reporting:

- Horizontal delineation of soil impacts in each of the four cardinal compass directions. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C₆ thru C₃₆), and for chloride by Method 300. This is not an exclusive list of potential contaminants. Analyzed parameters should be modified based on the nature of the released substance(s). Soil sampling must be both within the impacted area and beyond.
- Vertical delineation of soil impacts. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C₆ thru C₃₆), and for chloride by Method 300. As above, this is not an exclusive list of potential contaminants and can be modified. Vertical characterization samples should be taken at depth intervals no greater than five feet apart. Lithologic description of encountered soils must also be provided. At least ten vertical feet of soils with contaminant concentrations at or below these values must be demonstrated as existing above the water table.
- Nominal detection limits for field and laboratory analyses must be provided.
- Composite sampling is not generally allowed.
- Field screening and assessment techniques are acceptable (headspace, titration, EC [include algorithm for validation purposes], EM, etc.), but the sampling and assay procedures must be clearly defined. Copies of field notes are highly desirable. A statistically significant set of split samples must be submitted for confirmatory laboratory analysis, including the laterally farthest and vertically deepest sets of soil samples. Make sure there are at least two soil samples submitted

for laboratory analysis from each borehole or test pit (highest observed contamination and deepest depth investigated). Copies of the actual laboratory results must be provided including chain of custody documentation.

- Probable depth to shallowest protectable groundwater and lateral distance to nearest surface water. If there is an estimate of groundwater depth, the information used to arrive at that estimate must be provided. If there is a reasonable assumption that the depth to protectable water is 50 feet or less, the responsible party should anticipate the need for at least one groundwater monitoring well to be installed in the area of likely maximum contamination.

- If groundwater contamination is encountered, an additional investigation workplan may be required to determine the extents of that contamination. Groundwater and/or surface water samples, if any, must be analyzed by a competent laboratory for volatile organic hydrocarbons (typically Method 8260 full list), total dissolved solids, pH, major anions and cations including chloride and sulfate, dissolved iron, and dissolved manganese. The investigation workplan must provide the groundwater sampling method(s) and sample handling protocols. To the fullest extent possible, aqueous analyses must be undertaken using nominal method detection limits. As with the soil analyses, copies of the actual laboratory results must be provided including chain of custody documentation.

- Accurately scaled and well-drafted site maps must be provided providing the location of borings, test pits, monitoring wells, potentially impacted areas, and significant surface features including roads and site infrastructure that might limit either the release characterization or remedial efforts. Field sketches may be included in subsequent reporting, but should not be considered stand-alone documentation of the site's layout. Digital photographic documentation of the location and fieldwork is recommended, especially if unusual circumstances are encountered.

Nothing herein should be interpreted to preclude emergency response actions or to imply immediate remediation by removal cannot proceed as warranted. Nonetheless, characterization of impacts and confirmation of the effectiveness of remedial efforts must still be provided to the OCD before any release incident will be closed.

Jim Griswold

OCD Environmental Bureau Chief
1220 South St. Francis Drive
Santa Fe, New Mexico 87505
505-476-3465
jim.griswold@state.nm.us