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DELINEATION WORKPLAN

CHEVRON – SJ SARKEYS 26 #001

(Leak Date: 3/13/17)

RP # 1RP-4656 API # 30-025-06791

This delineation workplan and remediation proposal addresses the release associated with RP # 1RP-4656.

The following information includes:

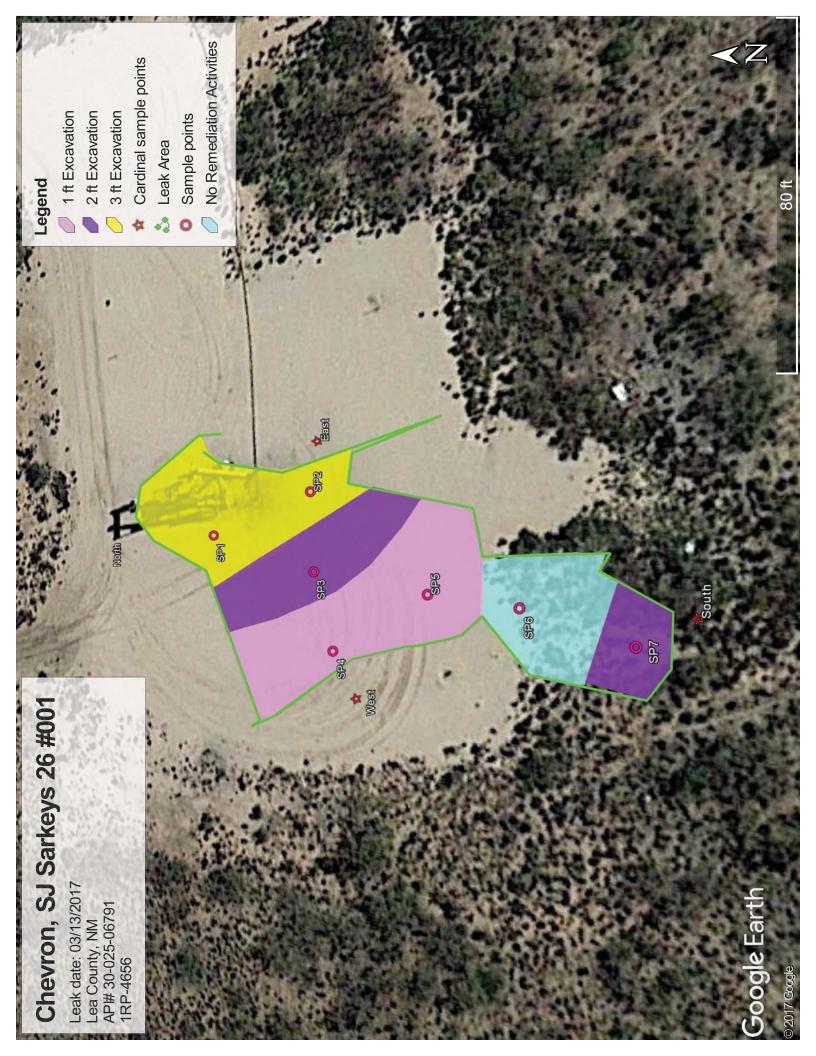
- 1. Scaled digital site map with spill area demarcated and leak point identified along with sample point locations and areas of remediation at appropriate depths.
- 2. GPS information for sample points and sample methodology
- 3. Depth to groundwater information (i.e., pdf of OSE search results and/or 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:

Chevron will remediate the spill area as depicted on the following site diagram. The leak areas (shaded in yellow) will be excavated to a depth of 3 feet. This area is represented by sample points SP1 and SP2. The area near SP4 and SP5 (shaded in pink) will be excavated to a depth of 1 foot. The areas near SP3 and SP7 (shaded in purple) will be excavated to a depth of 2 feet. The area near SP6 (shaded in blue) will require no remediation.

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.

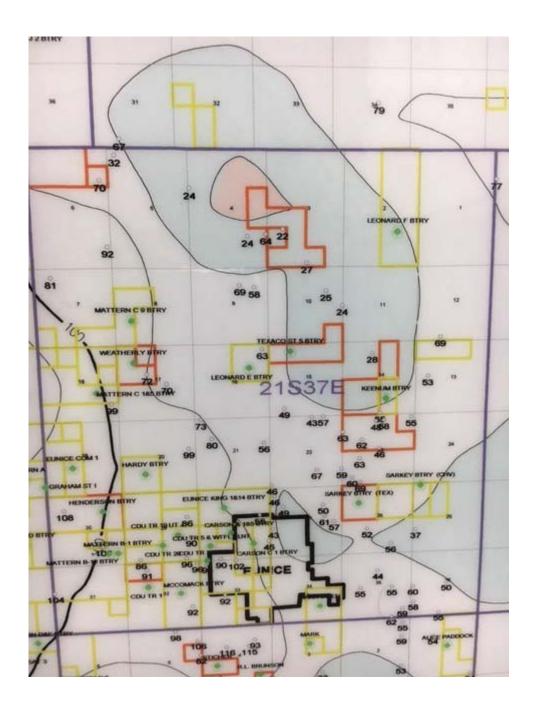
All excavated materials will be disposed of at an NMOCD-approved disposal facility.



Chevron, SJ Sarkeys 26 #001

Sample points, hand auger SP1, N 32.45176 W-103.14021 SP2, N 32.45166 W-103.14017 SP3, N 32.45166 W-103.14024 SP4, N 32.45164 W-103.14031 SP5, N 32.45155 W-103.14026 SP6, N 32.45148 W-103.14027 SP7, N 32.45140 W-103.14029

NORTH, N 32.45187 W-103.14023 SOUTH, N 32.45135 W-103.14027 EAST, N 32.45165 W-103.14012 WEST, N 32.45162 W-103.14035 Chevron, SJ Sarkeys 26 #001 U/L E, Section 26, T21S, R37E Groundwater: 50'-75'



?

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

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.) (R=POD has been replaced, O=orphaned,

C=the file is

(quarters are 1=NW 2=NE 3=SW 4=SE)

serves a water right file.)	closed)	• 15		(qı	uarte	rs are	smalle	st to larg	gest) (N	AD83 UTM in m	eters)	(I	n feet)	
		POD Sub-		Q	0 C									Water
POD Number	Code	basin	County				Tws	Rng	X	Y	DistanceDep	thWellDe	pthWater	Colum
<u>CP 01274 POD1</u>		СР	LE		2 1	26	21S	37E	674992	3591934	196	60		
<u>CP 01274 POD2</u>		СР	LE		2 1	26	21S	37E	674992	3591934	196	60		
<u>CP 00253 POD1</u>		СР	LE	3 4	4 2	27	21S	37E	674315	3591918*	514	101		
<u>CP 01004 POD1</u>		СР	LE	4 2	24	27	21S	37E	674616	3591478	584	70	41	2
<u>CP 00249 POD1</u>		СР	LE	2	3 2	27	21S	37E	674113	3592111*	709	102		
<u>CP 00250 POD1</u>		СР	LE	2	3 2	27	21S	37E	674113	3592111*	709	101		
<u>CP 01003 POD1</u>		СР	LE	1 .	3 3	26	21S	37E	674669	3591279	762	79	43	3
<u>CP 00017 POD1</u>		СР	LE	2	1 2	27	21S	37E	674106	3592513*	862	101		
<u>CP 00881</u>			LE	4	4 4	22	21S	37E	674402	3592824*	899	95	53	4
<u>CP 01001 POD1</u>		СР	LE	2	3 4	27	21S	37E	674108	3591371	966	72	40	3
<u>CP 01002 POD1</u>		СР	LE	3 4	4 4	27	21S	37E	674258	3591182	1013	75	39	3
<u>CP 00293 POD1</u>			LE	2 4	4 1	27	21S	37E	673711	3592104*	1109	80		
<u>CP 00251 POD1</u>		СР	LE	2	34	22	21S	37E	674099	3592915*	1142	103		
<u>CP 00252 POD1</u>		СР	LE	4 2	24	22	21S	37E	674493	3593125*	1145	106	78	2
<u>CP 01540 POD1</u>		СР	LE	1	1 1	35	21S	37E	674374	3590848	1259	51	36	1
<u>CP 01222 POD3</u>		СР	LE	2	4 4	23	21S	37E	676036	3592871	1481	60	48	1
<u>CP 00220 POD1</u>		СР	LE	1	1 3	25	21S	37E	676332	3591753*	1538	75		
<u>CP 00235 POD9</u>		СР	LE	3 4	4 1	23	21S	37E	675090	3593542*	1539	94	58	3
<u>CP 00736</u>			LE	-	3 1	27	21S	37E	673211	3591997*	1607	120	76	4
<u>CP 01222 POD2</u>		СР	LE	2	2 2	35	21S	37E	676071	3591014	1611	60	48	1
<u>CP 01222 POD1</u>		СР	LE	2 2	2 2	35	21S	37E	676081	3591023	1613	58	48	1
<u>CP 01222 POD4</u>		СР	LE	2 2	2 2	35	21S	37E	676102	3591017	1633	59	44	- 1
<u>CP 00238 POD1</u>		СР	LE	3	3 2	23	21S	37E	675492	3593549*	1664	81		
										Avera	ge Depth to Wat	er:	50	feet
											Minimum De	oth:	36	feet
											Maximum Dep	oth:	78	feet
Record Count: 23														
UTMNAD83 Radi Easting (X): 67-		n meters	<u>s):</u> North	ing (v).	2507	027			Radius: 1700				

UTM Conversion Tool

Q64:	Q16: SW Q4: NW Sec: 26 Tws: 21	S Rng: 37E
O X: 0 ft	State Plane Coordinate System - NAD27 Y: 0 ft Zone:	
O x: 0 ft	State Plane Coordinate System - NAD83 Y: 0 ft Zone:	
O Longitude (X): Latitude (Y):	Degrees: 0 ° Minutes: 0 ' Degrees: 0 ° Minutes: 0 '	
C Easting (X): 0	UTM - NAD27 mtrs Northing (Y): 0 mtrs Zone:	
	mtrs Northing (Y): 0 mtrs Zone: SUBMIT	JTM Zone 13
All	mtrs Northing (Y): 0 mtrs Zone: SUBMIT	ITM Zone 13 2027.0 mtrs
All	mtrs Northing (Y): 0 mtrs Zone: SUBMIT Conversion Results are displayed as NAD 1983 L 674818.0 mtrs Northing (Y): 359	ITM Zone 13 2027.0 mtrs
All	mtrs Northing (Y): 0 mtrs Zone: SUBMIT Conversion Results are displayed as NAD 1983 L 674818.0 mtrs Northing (Y): 359	ITM Zone 13 2027.0 mtrs

Laboratory Analytical Results Summary SJ Sarkeys 26 #001

		Sample	SP1 @ SURFACE	SP1 @ 1.	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'	SP1 @ 5'	SP1 @ 6'	SP1 @ 11.	SP1 @ 16'
Analyte	Method	Date	3/23/17	3/23/17	7/10/17	71/01/2	7/10/17	7/10/17	7/10/17	71/01/2	71/0/17
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0:050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0:050	<0.050	<0.050	<0.050
Ethylbenzene BTEX 8021B	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0:050	<0.050	<0.050	<0.050
Total Xylenes BTEX 8021B	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500CI-B		2320	144	1060	1060	304	336	64	64	80
GRO	TPH 8015M		<100	<50.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		22300	1130	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

		Sample	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'	SP2 @ 9'	SP2 @ 14'
Analyte	Method	Date	3/23/17	7/10/17	7/10/17	7/10/17	7/10/17	7/10/17
			63/bm	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0:050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene BTEX 8021B	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes BTEX 8021B	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500CI-B		112	1010	672	48	48	48
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		187	<10.0	<10.0	<10.0	<10.0	<10.0

		Sample	SP3 @ 1.	SP3 @ 2'	SP3 @ 3'	SP3 @ 4'	SP3 @ 9'	SP3 @ 14'
Analyte	Method	Date	3/23/17	7/10/17	7/10/17	7/10/17	7/10/17	7/10/17
			63/6m	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0:050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0:050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene BTEX 8021B	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500CI-B		160	704	432	48	48	48
GRO	TPH 8015M		<50.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		3290	<10.0	<10.0	<10.0	<10.0	<10.0

DRO	TPH 8015M		3290	<10.0	<10.0	<10.0	<10.0	<10.0
		Sample	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'	SP4 @ 4'	SP4 @ 9'	SP4 @ 14'
Analyte	Method	Date	3/23/17	7/10/17	7/10/17	7/10/17	7/10/17	7/10/17
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0:050	<0.050	<0.050	<0:050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene BTEX 8021B	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes BTEX 8021B	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500CI-B		160	544	80	48	48	32
GRO	TPH 8015M		<50.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		3230	<10.0	<10.0	<10.0	<10.0	<10.0

		Sample	NORTH @ SURFACE
Analyte	Method	Date	3/24/17
			mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500CI-B		48
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0
		Sample	EAST @ SURFACE

		Sample	SURFACE
Analyte	Method	Date	3/24/17
			mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500CI-B		32
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0
		Sample	SOUTH @
			SURFACE

ene BTEX 8021B Peresene BTEX 8021B Peresene BTEX 8021B Peresene BTEX 8021B Peresene BTEX 8021B ride SiM4500Cl-B ride SiM4500Cl-B ride BTEX 8021B ride SiM4500Cl-B r	Analyte	Method	Date	3/24/17
BIEK 8021B nee BIEK 8021B BTEX 8021B BIEX 8021B Sylenes BIEX 8021B Sylenes BIEX 8021B Sylenes BIEX 8021B Ide SM45002-B SM45002-B SM45002-B ide SM45002-B TPH 8015M Sample anyte Method Date anyte BIEX 8021B Sample BEX 8021B Sample Sample anyte BIEX 8021B Sample BIEX 8021B Sample Sample BIEX 8021B Sample Sample Intel BIEX 8021B Sample Sample BIEX 8021B Sample Sample Intel BIEX 8021B Sample Sample State BIEX 8021B Sample Sample BIEX BIEX 8021B Sample Sample Intel BIEX 8021B Sample Sample State BIEX 8021B Sample Sample State BIEX 8021B State 8021B Sample <				mg/Kg
Berzene BTEX 8021B berzene BTEX 8021B berzene BTEX 8021B Vitenes BTEX 8021B BTEX 8021B BTEX 8021B ide TH4 8015M TPH 8015M Sample inde BTEX 8021B inde TPH 8015M anapic Sample indyte Method Date BTEX 8021B berzens BTEX 8021B tide STA 8021B berzens BTEX 8021B tide STA 8021B <td< th=""><th>Benzene</th><th>BTEX 8021B</th><th></th><th><0.050</th></td<>	Benzene	BTEX 8021B		<0.050
Benzene BTEX 8021B Xylence BTEX 8021B Xylence BTEX 8021B Text BTEX 8021B ide XN450024B TPH 8015M TPH 8015M TPH 8015M Example malyte Method Date BTEX 8021B benzene BTEX 8021B benzene BTEX 8021B benzene BTEX 8021B benzene BTEX 8021B tide S1M450024B TPH 8015M TPH 8015M	Toluene	BTEX 8021B		<0:050
Xylenes BTEX 8021B BTEX BIEX 8021B ide SNA50021B TPM 8015M TPM 8015M TPM 8015M TPM 8015M TPH 8015M TPM 8015M TPH 8015M Barbia TPH 8015M Barbia TPH 8015M Date Instrime BTEX 8021B Brite State BTEX BTEX 8021B TPH 8015M	Ethylbenzene	BTEX 8021B		<0.050
BTEX BIEX 8021B ide SM4500C-B SM4500C-B SM4500C-B TPH 8015M SM45015M anyte Bits 8015M anyte Sample anyte Bits 8015M Bits 8015M Sample anyte Bits 8015M Bits 8021B Bate binte BIEX 8021B bits 8021B TPH 8015M bits 8021B TH 8015M tite BIEX 8021B bits 8021B TH 8015M tite BIEX 8021B bits 8021B TH 8015M tite SM4500C+B tite SM4500C+B tite SM4500C+B	Total Xylenes	BTEX 8021B		<0.150
ide StM4500CI-B TPH 8015M TPH 8015M TPH 8015M anyle Refined Date BTEX 8021B Benzene BTEX 8021B Benzene BTEX 8021B Benzene BTEX 8021B Benzene BTEX 8021B Benzene BTEX 8021B TPH 8015M TPH 8015M	Total BTEX	BTEX 8021B		<0.300
TPH 8015M TPH 8015M TPH 8015M Rample Rample Barbine BTEX 8021B Barbine BTEX 8021B Samdac Sample BTEX 8021B Sample Sample BTEX 8021B Sam4500CHB Ide TPH 8015M	Chloride	SM4500CI-B		16
TPH 8015M Sample nalyte Sample nalyte Method BIEX 8021B Date benzene BIEX 8021B fide SM4500C-B rdH 8015M TPH 8015M	GRO	TPH 8015M		<10.0
nalyte Method Date Sample ene BTEX 8021B benzen BTEX 8021B benzen BTEX 8021B benzen BTEX 8021B benzen BTEX 8021B Xylenes BTEX 8021B TPH 8021B TPH 8015M TPH 8015M	DRO	TPH 8015M		<10.0
matyte Method Date matyte BTEX 8021B 1 mene SM4500CHB 1 mene SM4500CHB 1			Sample	WEST @ SURFACE
BTEX 8021B BIEX 8021B BNB BTEX 8021B Bne BTEX 8021B Sylanes BTEX 8021B Sylanes BTEX 8021B TH 8015B TH 8015M TPH 8015M TH 8015M	Analyte	Method	Date	3/24/17
ene BTEX 8021B ane BTEX 8021B ane BTEX 8021B Apenase BTEX 8021B Xylenase BTEX 8021B Aylenase BTEX 8021B ETEX BTEX 8021B ride TPH 8015M TPH 8015M TPH 8015M				mg/Kg
BTEX 8021B Exercise BTEX 8021B A benzene BTEX 8021B A	Benzene	BTEX 8021B		<0:050
benzene BTEX 8021B Xylenes BTEX 8021B BTEX BTEX 8021B ride SM4500CI-B ride SM4500CI-B TPH 8015M	Toluene	BTEX 8021B		<0.050
Xylenes BTEX 8021B BTEX BTEX 8021B ide SM4500CI-B TPH 8015M	Ethylbenzene	BTEX 8021B		<0.050
BTEX BTEX 8021B ide SM4500CI-B TPH 8015M TPH 8015M	Total Xylenes	BTEX 8021B		<0.150
ride SM4500CI-B TPH 8015M TPH 8015M	Total BTEX	BTEX 8021B		<0.300
TPH 8015M TPH 8015M	Chloride	SM4500CI-B		16
TPH 8015M	GRO	TPH 8015M		<10.0
	DRO	TPH 8015M		<10.0

		Sample	SP5@ SURFACE	SP5 @ 1'	SP5 @ 2'	SP5@3'	SP5 @ 8'	SP5@13'
Analyte	Method	Date	3/23/17	3/23/17	7/10/17	7/10/17	21/10/12	7/10/17
			BA/Bm	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0:050	<0:050	<0.050	<0.050	<0.050	<0:050
Toluene	BTEX 8021B		<0:050	<0:050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene BTEX 8021B	BTEX 8021B		0.064	<0:050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	otal Xylenes BTEX 8021B		0.26	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		0.324	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500CI-B		008	192	416	64	32	32
GRO	TPH 8015M		<100	<50.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		24400	4930	<10.0	<10.0	<10.0	<10.0

		Sample	SP6 @ 1'	SP6 @ 2'	SP6 @ 2'	SP6@3'	SP6 @ 4'	SP6 @ 9'	SP6 @ 14'	
Analyte	Method	Date	3/23/17	3/24/17	7/10/17	21/01/2	7/10/17	7/10/17	7/10/17	
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Benzene	BTEX 8021B		<0.050	<0:050	<0:050	<0.050	<0.050	<0.050	<0.050	
Toluene	BTEX 8021B		<0.050	<0:050	<0:050	<0.050	<0.050	<0.050	<0.050	
Ethylbenzene BTEX 8021B	BTEX 8021B		<0.050	<0:050	<0.050	<0.050	<0.050	<0.050	<0.050	
Total Xylenes	otal Xylenes BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	
Chloride	SM4500CI-B		176	48	464	432	64	48	48	
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	
DRO	TPH 8015M		127	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	
		Come	SP7 @	11 @ 20.3	10 @ 203	10 @ 203	10 @ 203	6 DT @ 41	11 © 11	5
		auline	SURFACE	SP1 @ 1	or uz	SF1 @ 2	ari @ 3	ər/@4	SP1 @ 3	5
Analyte	Method	Date	3/23/17	3/23/17	3/24/17	7/10/17	7/10/17	7/10/17	7/10/17	

		Sample	SP7@ SURFACE	SP7 @ 1'	SP7 @ 2'	SP7 @ 2'	SP7 @ 3'	SP7 @ 4'	SP7 @ 5'	SP7 @ 10'	SP7 @ 15'
Analyte	Method	Date	3/23/17	3/23/17	3/24/17	7/10/17	7/10/17	7/10/17	7/10/17	7/10/17	7/10/17
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.200	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.200	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene BTEX 8021B	BTEX 8021B		1.17	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes BTEX 8021B	BTEX 8021B		4.41	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		5.58	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500CI-B		368	160	32	3200	512	736	48	64	48
GRO	TPH 8015M		405	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		39900	121	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0



April 04, 2017

Cliff Brunson BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: SJ SARKEY

Enclosed are the results of analyses for samples received by the laboratory on 03/28/17 11:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celecz D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	03/28/2017	Sampling Date:	03/23/2017
Reported:	04/04/2017	Sampling Type:	Soil
Project Name:	SJ SARKEY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON		

Sample ID: SP1 @ SURFACE (H700805-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2017	ND	1.71	85.4	2.00	1.36	
Toluene*	<0.050	0.050	03/29/2017	ND	1.66	82.9	2.00	1.39	
Ethylbenzene*	<0.050	0.050	03/29/2017	ND	1.71	85.6	2.00	1.83	
Total Xylenes*	<0.150	0.150	03/29/2017	ND	4.88	81.3	6.00	1.89	
Total BTEX	<0.300	0.300	03/29/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.2 9	% 72-148							
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2320	16.0	03/29/2017	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<100	100	03/29/2017	ND	196	98.1	200	1.89	
DRO >C10-C28	22300	100	03/29/2017	ND	206	103	200	4.62	
Surrogate: 1-Chlorooctane	98.2 9	25.1-15	8						
Surrogate: 1-Chlorooctadecane	661 %	6 26.8-17	0						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/28/2017	Sampling Date:	03/23/2017
Reported:	04/04/2017	Sampling Type:	Soil
Project Name:	SJ SARKEY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON		

Sample ID: SP1 @ 1 (H700805-02)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2017	ND	1.71	85.4	2.00	1.36	
Toluene*	<0.050	0.050	03/29/2017	ND	1.66	82.9	2.00	1.39	
Ethylbenzene*	<0.050	0.050	03/29/2017	ND	1.71	85.6	2.00	1.83	
Total Xylenes*	<0.150	0.150	03/29/2017	ND	4.88	81.3	6.00	1.89	
Total BTEX	<0.300	0.300	03/29/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.6 9	% 72-148							
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/29/2017	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	03/29/2017	ND	196	98.1	200	1.89	
DRO >C10-C28	1130	50.0	03/29/2017	ND	206	103	200	4.62	
Surrogate: 1-Chlorooctane	85.0 9	25.1-15	8						
Surrogate: 1-Chlorooctadecane	70.0 9	26.8-17	0						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/28/2017	Sampling Date:	03/23/2017
Reported:	04/04/2017	Sampling Type:	Soil
Project Name:	SJ SARKEY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON		

Sample ID: SP2 @ 1 (H700805-03)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2017	ND	1.71	85.4	2.00	1.36	
Toluene*	<0.050	0.050	03/29/2017	ND	1.66	82.9	2.00	1.39	
Ethylbenzene*	<0.050	0.050	03/29/2017	ND	1.71	85.6	2.00	1.83	
Total Xylenes*	<0.150	0.150	03/29/2017	ND	4.88	81.3	6.00	1.89	
Total BTEX	<0.300	0.300	03/29/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.5 %	6 72-148	}						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/29/2017	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/29/2017	ND	196	98.1	200	1.89	
DRO >C10-C28	787	10.0	03/29/2017	ND	206	103	200	4.62	
Surrogate: 1-Chlorooctane	95.1 %	6 25.1-15	8						
Surrogate: 1-Chlorooctadecane	85.7 %	6 26.8-17	0						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/28/2017	Sampling Date:	03/23/2017
Reported:	04/04/2017	Sampling Type:	Soil
Project Name:	SJ SARKEY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON		

Sample ID: SP3 @ 1 (H700805-04)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2017	ND	1.71	85.4	2.00	1.36	
Toluene*	<0.050	0.050	03/30/2017	ND	1.66	82.9	2.00	1.39	
Ethylbenzene*	<0.050	0.050	03/30/2017	ND	1.71	85.6	2.00	1.83	
Total Xylenes*	<0.150	0.150	03/30/2017	ND	4.88	81.3	6.00	1.89	
Total BTEX	<0.300	0.300	03/30/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.4	% 72-148							
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/29/2017	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	03/29/2017	ND	196	98.1	200	1.89	
DRO >C10-C28	3290	50.0	03/29/2017	ND	206	103	200	4.62	
Surrogate: 1-Chlorooctane	80.4	% 25.1-15	8						
Surrogate: 1-Chlorooctadecane	94.2	% 26.8-17	0						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/28/2017	Sampling Date:	03/23/2017
Reported:	04/04/2017	Sampling Type:	Soil
Project Name:	SJ SARKEY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON		

Sample ID: SP4 @ 1 (H700805-05)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2017	ND	1.71	85.4	2.00	1.36	
Toluene*	<0.050	0.050	03/30/2017	ND	1.66	82.9	2.00	1.39	
Ethylbenzene*	<0.050	0.050	03/30/2017	ND	1.71	85.6	2.00	1.83	
Total Xylenes*	<0.150	0.150	03/30/2017	ND	4.88	81.3	6.00	1.89	
Total BTEX	<0.300	0.300	03/30/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.4	% 72-148	2						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/29/2017	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	03/29/2017	ND	196	98.1	200	1.89	
DRO >C10-C28	3230	50.0	03/29/2017	ND	206	103	200	4.62	
Surrogate: 1-Chlorooctane	79.6	25.1-15	8						
Surrogate: 1-Chlorooctadecane	95.0	26.8-17	0						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/28/2017	Sampling Date:	03/23/2017
Reported:	04/04/2017	Sampling Type:	Soil
Project Name:	SJ SARKEY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON		

Sample ID: SP5 @ SURFACE (H700805-06)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2017	ND	1.71	85.4	2.00	1.36	
Toluene*	<0.050	0.050	03/30/2017	ND	1.66	82.9	2.00	1.39	
Ethylbenzene*	0.064	0.050	03/30/2017	ND	1.71	85.6	2.00	1.83	
Total Xylenes*	0.260	0.150	03/30/2017	ND	4.88	81.3	6.00	1.89	
Total BTEX	0.324	0.300	03/30/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8	% 72-148	2						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	03/29/2017	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<100	100	03/29/2017	ND	196	98.1	200	1.89	
DRO >C10-C28	24400	100	03/29/2017	ND	206	103	200	4.62	
Surrogate: 1-Chlorooctane	108 9	25.1-15	8						
Surrogate: 1-Chlorooctadecane	652 9	26.8-17	0						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/28/2017	Sampling Date:	03/23/2017
Reported:	04/04/2017	Sampling Type:	Soil
Project Name:	SJ SARKEY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON		

Sample ID: SP5 @ 1 (H700805-07)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2017	ND	1.71	85.4	2.00	1.36	
Toluene*	<0.050	0.050	03/30/2017	ND	1.66	82.9	2.00	1.39	
Ethylbenzene*	<0.050	0.050	03/30/2017	ND	1.71	85.6	2.00	1.83	
Total Xylenes*	<0.150	0.150	03/30/2017	ND	4.88	81.3	6.00	1.89	
Total BTEX	<0.300	0.300	03/30/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8	% 72-148	2						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	03/29/2017	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	03/29/2017	ND	196	98.1	200	1.89	
DRO >C10-C28	4930	50.0	03/29/2017	ND	206	103	200	4.62	
Surrogate: 1-Chlorooctane	87.8	% 25.1-15	8						
Surrogate: 1-Chlorooctadecane	145 9	26.8-17	0						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/28/2017	Sampling Date:	03/23/2017
Reported:	04/04/2017	Sampling Type:	Soil
Project Name:	SJ SARKEY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON		

Sample ID: SP6 @ 1 (H700805-08)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2017	ND	1.71	85.4	2.00	1.36	
Toluene*	<0.050	0.050	03/30/2017	ND	1.66	82.9	2.00	1.39	
Ethylbenzene*	<0.050	0.050	03/30/2017	ND	1.71	85.6	2.00	1.83	
Total Xylenes*	<0.150	0.150	03/30/2017	ND	4.88	81.3	6.00	1.89	
Total BTEX	<0.300	0.300	03/30/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.1	% 72-148	2						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	03/29/2017	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/29/2017	ND	196	98.1	200	1.89	
DRO >C10-C28	127	10.0	03/29/2017	ND	206	103	200	4.62	
Surrogate: 1-Chlorooctane	96.4	% 25.1-15	8						
Surrogate: 1-Chlorooctadecane	99.3	26.8-17	0						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/28/2017	Sampling Date:	03/24/2017
Reported:	04/04/2017	Sampling Type:	Soil
Project Name:	SJ SARKEY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON		

Sample ID: SP6 @ 2 (H700805-09)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2017	ND	1.71	85.4	2.00	1.36	
Toluene*	<0.050	0.050	03/30/2017	ND	1.66	82.9	2.00	1.39	
Ethylbenzene*	<0.050	0.050	03/30/2017	ND	1.71	85.6	2.00	1.83	
Total Xylenes*	<0.150	0.150	03/30/2017	ND	4.88	81.3	6.00	1.89	
Total BTEX	<0.300	0.300	03/30/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8 9	6 72-148	2						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/29/2017	ND	448	112	400	3.51	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/29/2017	ND	183	91.5	200	1.44	
DRO >C10-C28	<10.0	10.0	03/29/2017	ND	196	98.0	200	1.72	
Surrogate: 1-Chlorooctane	90.7 9	6 25.1-15	8						
Surrogate: 1-Chlorooctadecane	101 %	6 26.8-17	0						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/28/2017	Sampling Date:	03/23/2017
Reported:	04/04/2017	Sampling Type:	Soil
Project Name:	SJ SARKEY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON		

Sample ID: SP7 @ SURFACE (H700805-10)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	03/30/2017	ND	1.71	85.4	2.00	1.36	
Toluene*	<0.200	0.200	03/30/2017	ND	1.66	82.9	2.00	1.39	
Ethylbenzene*	1.17	0.200	03/30/2017	ND	1.71	85.6	2.00	1.83	
Total Xylenes*	4.41	0.600	03/30/2017	ND	4.88	81.3	6.00	1.89	
Total BTEX	5.58	1.20	03/30/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	% 72-148	2						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	03/29/2017	ND	448	112	400	3.51	
TPH 8015M	mg/	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	405	100	03/29/2017	ND	183	91.5	200	1.44	
DRO >C10-C28	39900	100	03/29/2017	ND	196	98.0	200	1.72	
Surrogate: 1-Chlorooctane	176 9	% 25.1-15	8						
Surrogate: 1-Chlorooctadecane	1080	% 26.8-17	0						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/28/2017	Sampling Date:	03/23/2017
Reported:	04/04/2017	Sampling Type:	Soil
Project Name:	SJ SARKEY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON		

Sample ID: SP7 @ 1 (H700805-11)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2017	ND	1.71	85.4	2.00	1.36	
Toluene*	<0.050	0.050	03/30/2017	ND	1.66	82.9	2.00	1.39	
Ethylbenzene*	<0.050	0.050	03/30/2017	ND	1.71	85.6	2.00	1.83	
Total Xylenes*	<0.150	0.150	03/30/2017	ND	4.88	81.3	6.00	1.89	
Total BTEX	<0.300	0.300	03/30/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.1	% 72-148							
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/29/2017	ND	448	112	400	3.51	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/29/2017	ND	183	91.5	200	1.44	
DRO >C10-C28	121	10.0	03/29/2017	ND	196	98.0	200	1.72	
Surrogate: 1-Chlorooctane	88.6	% 25.1-15	8						
Surrogate: 1-Chlorooctadecane	94.8	% 26.8-17	0						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/28/2017	Sampling Date:	03/24/2017
Reported:	04/04/2017	Sampling Type:	Soil
Project Name:	SJ SARKEY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON		

Sample ID: SP7 @ 2 (H700805-12)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2017	ND	1.71	85.4	2.00	1.36	
Toluene*	<0.050	0.050	03/30/2017	ND	1.66	82.9	2.00	1.39	
Ethylbenzene*	<0.050	0.050	03/30/2017	ND	1.71	85.6	2.00	1.83	
Total Xylenes*	<0.150	0.150	03/30/2017	ND	4.88	81.3	6.00	1.89	
Total BTEX	<0.300	0.300	03/30/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.0 9	% 72-148							
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/29/2017	ND	448	112	400	3.51	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/29/2017	ND	183	91.5	200	1.44	
DRO >C10-C28	<10.0	10.0	03/29/2017	ND	196	98.0	200	1.72	
Surrogate: 1-Chlorooctane	82.7 9	25.1-15	8						
Surrogate: 1-Chlorooctadecane	81.2 9	26.8-17	0						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/28/2017	Sampling Date:	03/24/2017
Reported:	04/04/2017	Sampling Type:	Soil
Project Name:	SJ SARKEY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON		

Sample ID: NORTH SAMPLE @ SURFACE (H700805-13)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2017	ND	1.71	85.4	2.00	1.36	
Toluene*	<0.050	0.050	03/30/2017	ND	1.66	82.9	2.00	1.39	
Ethylbenzene*	<0.050	0.050	03/30/2017	ND	1.71	85.6	2.00	1.83	
Total Xylenes*	<0.150	0.150	03/30/2017	ND	4.88	81.3	6.00	1.89	
Total BTEX	<0.300	0.300	03/30/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.0 \$	% 72-148	2						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/29/2017	ND	448	112	400	3.51	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/29/2017	ND	183	91.5	200	1.44	
DRO >C10-C28	<10.0	10.0	03/29/2017	ND	196	98.0	200	1.72	
Surrogate: 1-Chlorooctane	88.4 9	25.1-15	8						
Surrogate: 1-Chlorooctadecane	91.2 9	26.8-17	0						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/28/2017	Sampling Date:	03/24/2017
Reported:	04/04/2017	Sampling Type:	Soil
Project Name:	SJ SARKEY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON		

Sample ID: EAST SAMPLE @ SURFACE (H700805-14)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2017	ND	1.97	98.4	2.00	0.122	
Toluene*	<0.050	0.050	03/30/2017	ND	1.82	91.1	2.00	0.367	
Ethylbenzene*	<0.050	0.050	03/30/2017	ND	1.80	89.8	2.00	0.165	
Total Xylenes*	<0.150	0.150	03/30/2017	ND	5.13	85.5	6.00	0.155	
Total BTEX	<0.300	0.300	03/30/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.6	% 72-148							
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/29/2017	ND	448	112	400	3.51	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/29/2017	ND	183	91.5	200	1.44	
DRO >C10-C28	<10.0	10.0	03/29/2017	ND	196	98.0	200	1.72	
Surrogate: 1-Chlorooctane	88.9	% 25.1-15	8						
Surrogate: 1-Chlorooctadecane	95.8	% 26.8-17	0						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/28/2017	Sampling Date:	03/24/2017
Reported:	04/04/2017	Sampling Type:	Soil
Project Name:	SJ SARKEY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON		

Sample ID: SOUTH SAMPLE @ SURFACE (H700805-15)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2017	ND	1.97	98.4	2.00	0.122	
Toluene*	<0.050	0.050	03/30/2017	ND	1.82	91.1	2.00	0.367	
Ethylbenzene*	<0.050	0.050	03/30/2017	ND	1.80	89.8	2.00	0.165	
Total Xylenes*	<0.150	0.150	03/30/2017	ND	5.13	85.5	6.00	0.155	
Total BTEX	<0.300	0.300	03/30/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.3	% 72-148							
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/29/2017	ND	448	112	400	3.51	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/29/2017	ND	183	91.5	200	1.44	
DRO >C10-C28	<10.0	10.0	03/29/2017	ND	196	98.0	200	1.72	
Surrogate: 1-Chlorooctane	81.7	% 25.1-15	8						
Surrogate: 1-Chlorooctadecane	86.4	% 26.8-17	0						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/28/2017	Sampling Date:	03/24/2017
Reported:	04/04/2017	Sampling Type:	Soil
Project Name:	SJ SARKEY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON		

Sample ID: WEST SAMPLE @ SURFACE (H700805-16)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2017	ND	1.97	98.4	2.00	0.122	
Toluene*	<0.050	0.050	03/30/2017	ND	1.82	91.1	2.00	0.367	
Ethylbenzene*	<0.050	0.050	03/30/2017	ND	1.80	89.8	2.00	0.165	
Total Xylenes*	<0.150	0.150	03/30/2017	ND	5.13	85.5	6.00	0.155	
Total BTEX	<0.300	0.300	03/30/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.8	% 72-148							
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/29/2017	ND	448	112	400	3.51	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/29/2017	ND	183	91.5	200	1.44	
DRO >C10-C28	<10.0	10.0	03/29/2017	ND	196	98.0	200	1.72	
Surrogate: 1-Chlorooctane	88.2	% 25.1-15	8						
Surrogate: 1-Chlorooctadecane	93.3	% 26.8-17	0						

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Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
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 SM4500CI-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

				D BY:	CHECKED BY:	Sample Condition	Sample			(Circle One)	Delivered By: (Circle One)
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		cable	s subsidiaries, or otherwise.	in 30 days after comp s incurred by client, i powe stated reasons	ceived by Cardinal with of use, or loss of profit ased upon any of the at	writing and rec lemuptions, loss such claim is ba	n, business int ns of whether	od waived out limitatio al, regardle	se whatsoever shall be deeme ental damages, including withou services hereunder by Cardinal	inose for negligence and any other cau final be liable for incidential or consequi out of or related to the performance of	service. In no event shall Ca affiliates or successors arisin
		×	paid by the client for the	he amount paid by th	lort, shall be limited to the	in contract or t	whether based	im arising	Cardina's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be lin	I Damages. Cardinal's liability and client	PLEASE NOTE: Liability and Dan
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				SAMPLING	PRESERV.	MATRIX	MA				FOR LAB USE ONLY
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	_			(S)lley	City:	c	ron	neu	Project Owner: Chev ron		Project #:
				Sennita	Address:	A	97	97-03	Fax #: 575-397-0397	397-6388	Phone #: 575-397-6388
				SBC,	Attn:	Þ	88241	Zip: 88	State: NM Zi		city: Hobbs
			'	PLEAM	Company:	c				P.O. Box 805	Address: P.O.
	_	-	_		P.O. #:	P				 Cliff Brunson 	Project Manager:
ANALYSIS REQUEST				BILL TO	BIL	1			, Inc.	BBC International, Inc.	Company Name:
									(505) 393-2476	(505) 393-2326 FAX (505) 393-2476	

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

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Cool Intact Pres Pres No No

(Initials) TD-#75

Sampler - UPS - Bus - Other:

Page 19 of 20

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	(505) 393-2326 FAX (505) 393-2476	505) 393-247	6					
Company Nam	Company Name: BBC International, Inc.	Inc.		BILL TO			ANALYSIS REQUEST	
Project Manage	Project Manager: Cliff Brunson			P.O. #:				
Address: P.O. Box 805). Box 805			Company: Chevro	4			
city: Hobbs		State: NM	Zip: 88241	Attn: Phr Ju	wher			_
Phone #: 575-397-6388		Fax #: 575	575-397-0397	Address:	nllay			
Project #:	-	Project Owner:	a	City:				_
Project Name: 5J	55 Sarkey			State: Zip:				_
Project Location:				Phone #:				
Sampler Name:	Roar Hernandez	2		Fax #:				
FOR LAB USE ONLY	2		MATRIX	RIX PRESERV. SAMPLING	NG	_		
Lab I.D.	Sample I.D.	,-	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL	OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER : DATE	TIME	TPH BTEX		
11	10045			V,	4:00 V	VVV		
12	SP7@2		CI V	11.42.E	9:50 1	VV		
6)	North Sample @ Surface	Surface	GI V	V, 3.24.17 11:30	11:30 1	2		
14	East Sample @ Surface	Surface	GI V	Vy 3.24.17	12:00 V	VV		
15	South Sample @ Surface	surface	GIV	V/ 3.24.17	1:00 1	111		_
14	West Somple @ surfac	our face	GIV	V 3.24.17	1:30 V	5		
LEASE NOTE: Liability a	nd Damagas. Cardinal's liability and client's	exclusive remady for an	ny claim ansing whather has ad in	a contrast or tool whall he limited to the secould and	I bu thus allocat for thes			L
LEASE NOTE: Liability a nalyses. All claims includ ervice. In no event shall C filiates or successors aris	acounty and Diamages. Cardinars's labulity and client's s including those for negligence and any other cause st strait Cardinal be liable for incidental or consequent sors arising out of or related to the performance of se	's exclusive remedy for ar use whatsoever shall be d ental damages, including services hereunder by Ci	ny claim arising whether based in seemed waived unless made in w without limitation, business inten ardinal, regardless of whether su	CLASSE MULE: Liability and Demogres. Cardinal's liability and clerifs exclusive immedy for any claim attivity whether based in contract or for, shall be limited to the amount paid by the client for the naisyses. 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 enrice. 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, fillates or successors anising out of or related to the performance of services hereunder for Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	J by the client for the application of the application of the application, its subsidiaries, lisons or otherwise.	licable		
Relinquished By:		Date: 3.24.17	Received By:		Phone Result: Fax Result:	□ Yes □ No	Add'I Phone #: Add'I Fax #:	
1 1	I Jaco II	Time: Croopin			REMARKS:			

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

Relinquished By: Sampler - UPS - Bus - Other: Delivered By: (Circle One) celly Hermonder Limas Time://:50 Date: 3. 28. 17 Received By: 0.8c Sample Condition Cool Intact Pres Pres No No No CHECKED BY: D.#75 (Initials)

Time: 5:00PM

Page 20 of 20



July 20, 2017

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: SJ SARKEY 26 #1

Enclosed are the results of analyses for samples received by the laboratory on 07/13/17 16:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celecz D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	07/13/2017	Sampling Date:	07/10/2017
Reported:	07/20/2017	Sampling Type:	Soil
Project Name:	SJ SARKEY 26 #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON, EUNICE, NM		

Sample ID: SP1 @ 2 (H701823-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2017	ND	1.72	86.1	2.00	0.932	
Toluene*	<0.050	0.050	07/17/2017	ND	1.84	92.0	2.00	1.38	
Ethylbenzene*	<0.050	0.050	07/17/2017	ND	1.92	95.8	2.00	1.69	
Total Xylenes*	<0.150	0.150	07/17/2017	ND	5.80	96.6	6.00	1.33	
Total BTEX	<0.300	0.300	07/17/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	125 %	% 72-148							
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1060	16.0	07/15/2017	ND	448	112	400	3.51	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/17/2017	ND	194	97.1	200	1.66	
DRO >C10-C28	<10.0	10.0	07/17/2017	ND	204	102	200	1.07	
Surrogate: 1-Chlorooctane	89.7 9	28.3-16	4						
Surrogate: 1-Chlorooctadecane	90.8 9	% 34.7-15	7						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	07/13/2017	Sampling Date:	07/10/2017
Reported:	07/20/2017	Sampling Type:	Soil
Project Name:	SJ SARKEY 26 #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON, EUNICE, NM		

Sample ID: SP1 @ 3 (H701823-02)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2017	ND	1.72	86.1	2.00	0.932	
Toluene*	<0.050	0.050	07/17/2017	ND	1.84	92.0	2.00	1.38	
Ethylbenzene*	<0.050	0.050	07/17/2017	ND	1.92	95.8	2.00	1.69	
Total Xylenes*	<0.150	0.150	07/17/2017	ND	5.80	96.6	6.00	1.33	
Total BTEX	<0.300	0.300	07/17/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	128 %	6 72-148							
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1060	16.0	07/15/2017	ND	448	112	400	3.51	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/17/2017	ND	194	97.1	200	1.66	
DRO >C10-C28	<10.0	10.0	07/17/2017	ND	204	102	200	1.07	
Surrogate: 1-Chlorooctane	83.7 9	28.3-16	4						
Surrogate: 1-Chlorooctadecane	81.3 9	34.7-15	7						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	07/13/2017	Sampling Date:	07/10/2017
Reported:	07/20/2017	Sampling Type:	Soil
Project Name:	SJ SARKEY 26 #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON, EUNICE, NM		

Sample ID: SP1 @ 4 (H701823-03)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2017	ND	1.72	86.1	2.00	0.932	
Toluene*	<0.050	0.050	07/17/2017	ND	1.84	92.0	2.00	1.38	
Ethylbenzene*	<0.050	0.050	07/17/2017	ND	1.92	95.8	2.00	1.69	
Total Xylenes*	<0.150	0.150	07/17/2017	ND	5.80	96.6	6.00	1.33	
Total BTEX	<0.300	0.300	07/17/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	126 9	% 72-148	}						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	07/15/2017	ND	448	112	400	3.51	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/17/2017	ND	194	97.1	200	1.66	
DRO >C10-C28	<10.0	10.0	07/17/2017	ND	204	102	200	1.07	
Surrogate: 1-Chlorooctane	90.1	28.3-16	4						
Surrogate: 1-Chlorooctadecane	87.5	34.7-15	7						

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Received:	07/13/2017	Sampling Date:	07/10/2017
Reported:	07/20/2017	Sampling Type:	Soil
Project Name:	SJ SARKEY 26 #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON, EUNICE, NM		

Sample ID: SP1 @ 5 (H701823-04)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2017	ND	1.72	86.1	2.00	0.932	
Toluene*	<0.050	0.050	07/17/2017	ND	1.84	92.0	2.00	1.38	
Ethylbenzene*	<0.050	0.050	07/17/2017	ND	1.92	95.8	2.00	1.69	
Total Xylenes*	<0.150	0.150	07/17/2017	ND	5.80	96.6	6.00	1.33	
Total BTEX	<0.300	0.300	07/17/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	128 %	6 72-148							
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	07/15/2017	ND	448	112	400	3.51	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/17/2017	ND	194	97.1	200	1.66	
DRO >C10-C28	<10.0	10.0	07/17/2017	ND	204	102	200	1.07	
Surrogate: 1-Chlorooctane	69.5 9	28.3-16	4						
Surrogate: 1-Chlorooctadecane	82.1 9	34.7-15	7						

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Received:	07/13/2017	Sampling Date:	07/10/2017
Reported:	07/20/2017	Sampling Type:	Soil
Project Name:	SJ SARKEY 26 #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON, EUNICE, NM		

Sample ID: SP1 @ 6 (H701823-05)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2017	ND	1.72	86.1	2.00	0.932	
Toluene*	<0.050	0.050	07/17/2017	ND	1.84	92.0	2.00	1.38	
Ethylbenzene*	<0.050	0.050	07/17/2017	ND	1.92	95.8	2.00	1.69	
Total Xylenes*	<0.150	0.150	07/17/2017	ND	5.80	96.6	6.00	1.33	
Total BTEX	<0.300	0.300	07/17/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	130 %	% 72-148	2						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/15/2017	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/17/2017	ND	194	97.1	200	1.66	
DRO >C10-C28	<10.0	10.0	07/17/2017	ND	204	102	200	1.07	
Surrogate: 1-Chlorooctane	83.5 9	28.3-16	4						
Surrogate: 1-Chlorooctadecane	84.0 \$	34.7-15	7						

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Received:	07/13/2017	Sampling Date:	07/10/2017
Reported:	07/20/2017	Sampling Type:	Soil
Project Name:	SJ SARKEY 26 #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON, EUNICE, NM		

Sample ID: SP1 @ 11 (H701823-06)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2017	ND	1.72	86.1	2.00	0.932	
Toluene*	<0.050	0.050	07/18/2017	ND	1.84	92.0	2.00	1.38	
Ethylbenzene*	<0.050	0.050	07/18/2017	ND	1.92	95.8	2.00	1.69	
Total Xylenes*	<0.150	0.150	07/18/2017	ND	5.80	96.6	6.00	1.33	
Total BTEX	<0.300	0.300	07/18/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	130 %	6 72-148	2						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/15/2017	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/17/2017	ND	194	97.1	200	1.66	
DRO >C10-C28	<10.0	10.0	07/17/2017	ND	204	102	200	1.07	
Surrogate: 1-Chlorooctane	87.2 9	28.3-16	4						
Surrogate: 1-Chlorooctadecane	89.3 9	34.7-15	7						

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Received:	07/13/2017	Sampling Date:	07/10/2017
Reported:	07/20/2017	Sampling Type:	Soil
Project Name:	SJ SARKEY 26 #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON, EUNICE, NM		

Sample ID: SP1 @ 16 (H701823-07)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2017	ND	1.72	86.1	2.00	0.932	
Toluene*	<0.050	0.050	07/18/2017	ND	1.84	92.0	2.00	1.38	
Ethylbenzene*	<0.050	0.050	07/18/2017	ND	1.92	95.8	2.00	1.69	
Total Xylenes*	<0.150	0.150	07/18/2017	ND	5.80	96.6	6.00	1.33	
Total BTEX	<0.300	0.300	07/18/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	132 %	6 72-148							
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/15/2017	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/17/2017	ND	194	97.1	200	1.66	
DRO >C10-C28	<10.0	10.0	07/17/2017	ND	204	102	200	1.07	
Surrogate: 1-Chlorooctane	95.2 9	28.3-16	4						
Surrogate: 1-Chlorooctadecane	95.2 9	34.7-15	7						

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Received:	07/13/2017	Sampling Date:	07/10/2017
Reported:	07/20/2017	Sampling Type:	Soil
Project Name:	SJ SARKEY 26 #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON, EUNICE, NM		

Sample ID: SP2 @ 2 (H701823-08)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2017	ND	1.72	86.1	2.00	0.932	
Toluene*	<0.050	0.050	07/18/2017	ND	1.84	92.0	2.00	1.38	
Ethylbenzene*	<0.050	0.050	07/18/2017	ND	1.92	95.8	2.00	1.69	
Total Xylenes*	<0.150	0.150	07/18/2017	ND	5.80	96.6	6.00	1.33	
Total BTEX	<0.300	0.300	07/18/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	134 9	% 72-148	2						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1010	16.0	07/15/2017	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/17/2017	ND	194	97.1	200	1.66	
DRO >C10-C28	<10.0	10.0	07/17/2017	ND	204	102	200	1.07	
Surrogate: 1-Chlorooctane	95.6	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	95.8	34.7-15	7						

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Received:	07/13/2017	Sampling Date:	07/10/2017
Reported:	07/20/2017	Sampling Type:	Soil
Project Name:	SJ SARKEY 26 #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON, EUNICE, NM		

Sample ID: SP2 @ 3 (H701823-09)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2017	ND	1.72	86.1	2.00	0.932	
Toluene*	<0.050	0.050	07/18/2017	ND	1.84	92.0	2.00	1.38	
Ethylbenzene*	<0.050	0.050	07/18/2017	ND	1.92	95.8	2.00	1.69	
Total Xylenes*	<0.150	0.150	07/18/2017	ND	5.80	96.6	6.00	1.33	
Total BTEX	<0.300	0.300	07/18/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	133 %	% 72-148	}						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	07/15/2017	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/17/2017	ND	194	97.1	200	1.66	
DRO >C10-C28	<10.0	10.0	07/17/2017	ND	204	102	200	1.07	
Surrogate: 1-Chlorooctane	84.0 \$	28.3-16	4						
Surrogate: 1-Chlorooctadecane	83.8 9	34.7-15	7						

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Received:	07/13/2017	Sampling Date:	07/10/2017
Reported:	07/20/2017	Sampling Type:	Soil
Project Name:	SJ SARKEY 26 #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON, EUNICE, NM		

Sample ID: SP2 @ 4 (H701823-10)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2017	ND	1.72	86.1	2.00	0.932	
Toluene*	<0.050	0.050	07/18/2017	ND	1.84	92.0	2.00	1.38	
Ethylbenzene*	<0.050	0.050	07/18/2017	ND	1.92	95.8	2.00	1.69	
Total Xylenes*	<0.150	0.150	07/18/2017	ND	5.80	96.6	6.00	1.33	
Total BTEX	<0.300	0.300	07/18/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	135 %	% 72-148	2						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/15/2017	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/17/2017	ND	194	97.1	200	1.66	
DRO >C10-C28	<10.0	10.0	07/17/2017	ND	204	102	200	1.07	
Surrogate: 1-Chlorooctane	89.0 9	28.3-16	4						
Surrogate: 1-Chlorooctadecane	90.0 \$	34.7-15	7						

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Received:	07/13/2017	Sampling Date:	07/10/2017
Reported:	07/20/2017	Sampling Type:	Soil
Project Name:	SJ SARKEY 26 #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON, EUNICE, NM		

Sample ID: SP2 @ 9 (H701823-11)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2017	ND	2.00	100	2.00	2.61	
Toluene*	<0.050	0.050	07/17/2017	ND	1.95	97.7	2.00	2.27	
Ethylbenzene*	<0.050	0.050	07/17/2017	ND	2.09	105	2.00	3.14	
Total Xylenes*	<0.150	0.150	07/17/2017	ND	6.27	105	6.00	2.63	
Total BTEX	<0.300	0.300	07/17/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 %	% 72-148	2						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/16/2017	ND	448	112	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/17/2017	ND	194	97.1	200	1.66	
DRO >C10-C28	<10.0	10.0	07/17/2017	ND	204	102	200	1.07	
Surrogate: 1-Chlorooctane	91.5	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	91.1	% 34.7-15	7						

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Received:	07/13/2017	Sampling Date:	07/10/2017
Reported:	07/20/2017	Sampling Type:	Soil
Project Name:	SJ SARKEY 26 #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON, EUNICE, NM		

Sample ID: SP2 @ 14 (H701823-12)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2017	ND	2.00	100	2.00	2.61	
Toluene*	<0.050	0.050	07/18/2017	ND	1.95	97.7	2.00	2.27	
Ethylbenzene*	<0.050	0.050	07/18/2017	ND	2.09	105	2.00	3.14	
Total Xylenes*	<0.150	0.150	07/18/2017	ND	6.27	105	6.00	2.63	
Total BTEX	<0.300	0.300	07/18/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 %	6 72-148	2						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/16/2017	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/17/2017	ND	194	97.1	200	1.66	
DRO >C10-C28	<10.0	10.0	07/17/2017	ND	204	102	200	1.07	
Surrogate: 1-Chlorooctane	88.2 9	28.3-16	4						
Surrogate: 1-Chlorooctadecane	86.4 9	34.7-15	7						

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Received:	07/13/2017	Sampling Date:	07/10/2017
Reported:	07/20/2017	Sampling Type:	Soil
Project Name:	SJ SARKEY 26 #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON, EUNICE, NM		

Sample ID: SP3 @ 2 (H701823-13)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2017	ND	1.79	89.7	2.00	2.20	
Toluene*	<0.050	0.050	07/18/2017	ND	1.94	96.8	2.00	2.30	
Ethylbenzene*	<0.050	0.050	07/18/2017	ND	2.05	102	2.00	1.73	
Total Xylenes*	<0.150	0.150	07/18/2017	ND	6.19	103	6.00	1.86	
Total BTEX	<0.300	0.300	07/18/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 %	6 72-148	2						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	07/16/2017	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/17/2017	ND	194	97.1	200	1.66	
DRO >C10-C28	<10.0	10.0	07/17/2017	ND	204	102	200	1.07	
Surrogate: 1-Chlorooctane	76.4	28.3-16	4						
Surrogate: 1-Chlorooctadecane	77.7 9	34.7-15	7						

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Received:	07/13/2017	Sampling Date:	07/10/2017
Reported:	07/20/2017	Sampling Type:	Soil
Project Name:	SJ SARKEY 26 #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON, EUNICE, NM		

Sample ID: SP3 @ 3 (H701823-14)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2017	ND	1.79	89.7	2.00	2.20	
Toluene*	<0.050	0.050	07/18/2017	ND	1.94	96.8	2.00	2.30	
Ethylbenzene*	<0.050	0.050	07/18/2017	ND	2.05	102	2.00	1.73	
Total Xylenes*	<0.150	0.150	07/18/2017	ND	6.19	103	6.00	1.86	
Total BTEX	<0.300	0.300	07/18/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	120 9	% 72-148	2						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	07/16/2017	ND	448	112	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/17/2017	ND	194	97.1	200	1.66	
DRO >C10-C28	<10.0	10.0	07/17/2017	ND	204	102	200	1.07	
Surrogate: 1-Chlorooctane	90.4	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	93.7	% 34.7-15	7						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	07/13/2017	Sampling Date:	07/10/2017
Reported:	07/20/2017	Sampling Type:	Soil
Project Name:	SJ SARKEY 26 #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON, EUNICE, NM		

Sample ID: SP3 @ 4 (H701823-15)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2017	ND	1.79	89.7	2.00	2.20	
Toluene*	<0.050	0.050	07/18/2017	ND	1.94	96.8	2.00	2.30	
Ethylbenzene*	<0.050	0.050	07/18/2017	ND	2.05	102	2.00	1.73	
Total Xylenes*	<0.150	0.150	07/18/2017	ND	6.19	103	6.00	1.86	
Total BTEX	<0.300	0.300	07/18/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	120 9	% 72-148	2						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/16/2017	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/17/2017	ND	194	97.1	200	1.66	
DRO >C10-C28	<10.0	10.0	07/17/2017	ND	204	102	200	1.07	
Surrogate: 1-Chlorooctane	82.0	28.3-16	4						
Surrogate: 1-Chlorooctadecane	84.7	% 34.7-15	7						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	07/13/2017	Sampling Date:	07/10/2017
Reported:	07/20/2017	Sampling Type:	Soil
Project Name:	SJ SARKEY 26 #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON, EUNICE, NM		

Sample ID: SP3 @ 9 (H701823-16)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2017	ND	1.79	89.7	2.00	2.20	
Toluene*	<0.050	0.050	07/18/2017	ND	1.94	96.8	2.00	2.30	
Ethylbenzene*	<0.050	0.050	07/18/2017	ND	2.05	102	2.00	1.73	
Total Xylenes*	<0.150	0.150	07/18/2017	ND	6.19	103	6.00	1.86	
Total BTEX	<0.300	0.300	07/18/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	123 9	% 72-148	2						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/16/2017	ND	448	112	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/17/2017	ND	194	97.1	200	1.66	
DRO >C10-C28	<10.0	10.0	07/17/2017	ND	204	102	200	1.07	
Surrogate: 1-Chlorooctane	85.1	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	88.4	% 34.7-15	7						

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Received:	07/13/2017	Sampling Date:	07/10/2017
Reported:	07/20/2017	Sampling Type:	Soil
Project Name:	SJ SARKEY 26 #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON, EUNICE, NM		

Sample ID: SP3 @ 14 (H701823-17)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2017	ND	1.79	89.7	2.00	2.20	
Toluene*	<0.050	0.050	07/18/2017	ND	1.94	96.8	2.00	2.30	
Ethylbenzene*	<0.050	0.050	07/18/2017	ND	2.05	102	2.00	1.73	
Total Xylenes*	<0.150	0.150	07/18/2017	ND	6.19	103	6.00	1.86	
Total BTEX	<0.300	0.300	07/18/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	124 %	6 72-148	2						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/16/2017	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/17/2017	ND	194	97.1	200	1.66	
DRO >C10-C28	<10.0	10.0	07/17/2017	ND	204	102	200	1.07	
Surrogate: 1-Chlorooctane	87.1 9	28.3-16	4						
Surrogate: 1-Chlorooctadecane	90.1 9	34.7-15	7						

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Received:	07/13/2017	Sampling Date:	07/10/2017
Reported:	07/20/2017	Sampling Type:	Soil
Project Name:	SJ SARKEY 26 #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON, EUNICE, NM		

Sample ID: SP4 @ 2 (H701823-18)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2017	ND	1.79	89.7	2.00	2.20	
Toluene*	<0.050	0.050	07/18/2017	ND	1.94	96.8	2.00	2.30	
Ethylbenzene*	<0.050	0.050	07/18/2017	ND	2.05	102	2.00	1.73	
Total Xylenes*	<0.150	0.150	07/18/2017	ND	6.19	103	6.00	1.86	
Total BTEX	<0.300	0.300	07/18/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	125 %	% 72-148	2						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	07/16/2017	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/17/2017	ND	184	92.1	200	0.578	
DRO >C10-C28	<10.0	10.0	07/17/2017	ND	190	95.2	200	1.77	
Surrogate: 1-Chlorooctane	83.6	28.3-16	4						
Surrogate: 1-Chlorooctadecane	82.2	34.7-15	7						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	07/13/2017	Sampling Date:	07/10/2017
Reported:	07/20/2017	Sampling Type:	Soil
Project Name:	SJ SARKEY 26 #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON, EUNICE, NM		

Sample ID: SP4 @ 3 (H701823-19)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2017	ND	1.79	89.7	2.00	2.20	
Toluene*	<0.050	0.050	07/18/2017	ND	1.94	96.8	2.00	2.30	
Ethylbenzene*	<0.050	0.050	07/18/2017	ND	2.05	102	2.00	1.73	
Total Xylenes*	<0.150	0.150	07/18/2017	ND	6.19	103	6.00	1.86	
Total BTEX	<0.300	0.300	07/18/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	128 9	% 72-148	3						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/16/2017	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/17/2017	ND	184	92.1	200	0.578	
DRO >C10-C28	<10.0	10.0	07/17/2017	ND	190	95.2	200	1.77	
Surrogate: 1-Chlorooctane	84.1	28.3-16	4						
Surrogate: 1-Chlorooctadecane	78.8	% 34.7-15	7						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	07/13/2017	Sampling Date:	07/10/2017
Reported:	07/20/2017	Sampling Type:	Soil
Project Name:	SJ SARKEY 26 #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON, EUNICE, NM		

Sample ID: SP4 @ 4 (H701823-20)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2017	ND	1.79	89.7	2.00	2.20	
Toluene*	<0.050	0.050	07/18/2017	ND	1.94	96.8	2.00	2.30	
Ethylbenzene*	<0.050	0.050	07/18/2017	ND	2.05	102	2.00	1.73	
Total Xylenes*	<0.150	0.150	07/18/2017	ND	6.19	103	6.00	1.86	
Total BTEX	<0.300	0.300	07/18/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	128 %	6 72-148	2						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/16/2017	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/17/2017	ND	184	92.1	200	0.578	
DRO >C10-C28	<10.0	10.0	07/17/2017	ND	190	95.2	200	1.77	
Surrogate: 1-Chlorooctane	86.5 9	28.3-16	4						
Surrogate: 1-Chlorooctadecane	83.4 9	34.7-15	7						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	07/13/2017	Sampling Date:	07/10/2017
Reported:	07/20/2017	Sampling Type:	Soil
Project Name:	SJ SARKEY 26 #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON, EUNICE, NM		

Sample ID: SP4 @ 9 (H701823-21)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2017	ND	1.79	89.7	2.00	2.20	
Toluene*	<0.050	0.050	07/18/2017	ND	1.94	96.8	2.00	2.30	
Ethylbenzene*	<0.050	0.050	07/18/2017	ND	2.05	102	2.00	1.73	
Total Xylenes*	<0.150	0.150	07/18/2017	ND	6.19	103	6.00	1.86	
Total BTEX	<0.300	0.300	07/18/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	129 9	72-148	2						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/16/2017	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/17/2017	ND	184	92.1	200	0.578	
DRO >C10-C28	<10.0	10.0	07/17/2017	ND	190	95.2	200	1.77	
Surrogate: 1-Chlorooctane	92.4	28.3-16	4						
Surrogate: 1-Chlorooctadecane	90.4	34.7-15	7						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	07/13/2017	Sampling Date:	07/10/2017
Reported:	07/20/2017	Sampling Type:	Soil
Project Name:	SJ SARKEY 26 #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON, EUNICE, NM		

Sample ID: SP4 @ 14 (H701823-22)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2017	ND	1.79	89.7	2.00	2.20	
Toluene*	<0.050	0.050	07/18/2017	ND	1.94	96.8	2.00	2.30	
Ethylbenzene*	<0.050	0.050	07/18/2017	ND	2.05	102	2.00	1.73	
Total Xylenes*	<0.150	0.150	07/18/2017	ND	6.19	103	6.00	1.86	
Total BTEX	<0.300	0.300	07/18/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	131 9	% 72-148	2						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/16/2017	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/17/2017	ND	184	92.1	200	0.578	
DRO >C10-C28	<10.0	10.0	07/17/2017	ND	190	95.2	200	1.77	
Surrogate: 1-Chlorooctane	86.8	28.3-16	4						
Surrogate: 1-Chlorooctadecane	87.5	34.7-15	7						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	07/13/2017	Sampling Date:	07/10/2017
Reported:	07/20/2017	Sampling Type:	Soil
Project Name:	SJ SARKEY 26 #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON, EUNICE, NM		

Sample ID: SP5 @ 2 (H701823-23)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2017	ND	1.79	89.7	2.00	2.20	
Toluene*	<0.050	0.050	07/18/2017	ND	1.94	96.8	2.00	2.30	
Ethylbenzene*	<0.050	0.050	07/18/2017	ND	2.05	102	2.00	1.73	
Total Xylenes*	<0.150	0.150	07/18/2017	ND	6.19	103	6.00	1.86	
Total BTEX	<0.300	0.300	07/18/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	132 9	72-148	,						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	07/16/2017	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/17/2017	ND	184	92.1	200	0.578	
DRO >C10-C28	<10.0	10.0	07/17/2017	ND	190	95.2	200	1.77	
Surrogate: 1-Chlorooctane	90.8	28.3-16	4						
Surrogate: 1-Chlorooctadecane	94.1	34.7-15	7						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	07/13/2017	Sampling Date:	07/10/2017
Reported:	07/20/2017	Sampling Type:	Soil
Project Name:	SJ SARKEY 26 #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON, EUNICE, NM		

Sample ID: SP5 @ 3 (H701823-24)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2017	ND	1.79	89.7	2.00	2.20	
Toluene*	<0.050	0.050	07/19/2017	ND	1.94	96.8	2.00	2.30	
Ethylbenzene*	<0.050	0.050	07/19/2017	ND	2.05	102	2.00	1.73	
Total Xylenes*	<0.150	0.150	07/19/2017	ND	6.19	103	6.00	1.86	
Total BTEX	<0.300	0.300	07/19/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	135 9	% 72-148							
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/16/2017	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/17/2017	ND	184	92.1	200	0.578	
DRO >C10-C28	<10.0	10.0	07/17/2017	ND	190	95.2	200	1.77	
Surrogate: 1-Chlorooctane	94.6	28.3-16	4						
Surrogate: 1-Chlorooctadecane	92.8	% 34.7-15	7						

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Received:	07/13/2017	Sampling Date:	07/10/2017
Reported:	07/20/2017	Sampling Type:	Soil
Project Name:	SJ SARKEY 26 #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON, EUNICE, NM		

Sample ID: SP5 @ 8 (H701823-25)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2017	ND	1.79	89.7	2.00	2.20	
Toluene*	<0.050	0.050	07/19/2017	ND	1.94	96.8	2.00	2.30	
Ethylbenzene*	<0.050	0.050	07/19/2017	ND	2.05	102	2.00	1.73	
Total Xylenes*	<0.150	0.150	07/19/2017	ND	6.19	103	6.00	1.86	
Total BTEX	<0.300	0.300	07/19/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	135 9	% 72-148	3						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/16/2017	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/17/2017	ND	184	92.1	200	0.578	
DRO >C10-C28	<10.0	10.0	07/17/2017	ND	190	95.2	200	1.77	
Surrogate: 1-Chlorooctane	90.5	28.3-16	4						
Surrogate: 1-Chlorooctadecane	88.0	34.7-15	7						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	07/13/2017	Sampling Date:	07/10/2017
Reported:	07/20/2017	Sampling Type:	Soil
Project Name:	SJ SARKEY 26 #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON, EUNICE, NM		

Sample ID: SP5 @ 13 (H701823-26)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2017	ND	1.79	89.7	2.00	2.20	
Toluene*	<0.050	0.050	07/19/2017	ND	1.94	96.8	2.00	2.30	
Ethylbenzene*	<0.050	0.050	07/19/2017	ND	2.05	102	2.00	1.73	
Total Xylenes*	<0.150	0.150	07/19/2017	ND	6.19	103	6.00	1.86	
Total BTEX	<0.300	0.300	07/19/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	135 %	6 72-148	2						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/17/2017	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/17/2017	ND	184	92.1	200	0.578	
DRO >C10-C28	<10.0	10.0	07/17/2017	ND	190	95.2	200	1.77	
Surrogate: 1-Chlorooctane	96.5 9	28.3-16	4						
Surrogate: 1-Chlorooctadecane	96.2 9	34.7-15	7						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	07/13/2017	Sampling Date:	07/10/2017
Reported:	07/20/2017	Sampling Type:	Soil
Project Name:	SJ SARKEY 26 #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON, EUNICE, NM		

Sample ID: SP6 @ 2 (H701823-27)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2017	ND	1.79	89.7	2.00	2.20	
Toluene*	<0.050	0.050	07/19/2017	ND	1.94	96.8	2.00	2.30	
Ethylbenzene*	<0.050	0.050	07/19/2017	ND	2.05	102	2.00	1.73	
Total Xylenes*	<0.150	0.150	07/19/2017	ND	6.19	103	6.00	1.86	
Total BTEX	<0.300	0.300	07/19/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	138 9	% 72-148	}						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	07/17/2017	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/17/2017	ND	184	92.1	200	0.578	
DRO >C10-C28	<10.0	10.0	07/17/2017	ND	190	95.2	200	1.77	
Surrogate: 1-Chlorooctane	86.8	28.3-16	4						
Surrogate: 1-Chlorooctadecane	83.7	% 34.7-15	7						

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Received:	07/13/2017	Sampling Date:	07/10/2017
Reported:	07/20/2017	Sampling Type:	Soil
Project Name:	SJ SARKEY 26 #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON, EUNICE, NM		

Sample ID: SP6 @ 3 (H701823-28)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2017	ND	1.79	89.7	2.00	2.20	
Toluene*	<0.050	0.050	07/19/2017	ND	1.94	96.8	2.00	2.30	
Ethylbenzene*	<0.050	0.050	07/19/2017	ND	2.05	102	2.00	1.73	
Total Xylenes*	<0.150	0.150	07/19/2017	ND	6.19	103	6.00	1.86	
Total BTEX	<0.300	0.300	07/19/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	139 %	6 72-148	2						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	07/17/2017	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/17/2017	ND	184	92.1	200	0.578	
DRO >C10-C28	<10.0	10.0	07/17/2017	ND	190	95.2	200	1.77	
Surrogate: 1-Chlorooctane	83.4 9	28.3-16	4						
Surrogate: 1-Chlorooctadecane	79.6%	34.7-15	7						

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Received:	07/13/2017	Sampling Date:	07/10/2017
Reported:	07/20/2017	Sampling Type:	Soil
Project Name:	SJ SARKEY 26 #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON, EUNICE, NM		

Sample ID: SP6 @ 4 (H701823-29)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2017	ND	1.79	89.7	2.00	2.20	
Toluene*	<0.050	0.050	07/19/2017	ND	1.94	96.8	2.00	2.30	
Ethylbenzene*	<0.050	0.050	07/19/2017	ND	2.05	102	2.00	1.73	
Total Xylenes*	<0.150	0.150	07/19/2017	ND	6.19	103	6.00	1.86	
Total BTEX	<0.300	0.300	07/19/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	141 9	% 72-148	2						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/17/2017	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/18/2017	ND	199	99.5	200	4.26	
DRO >C10-C28	<10.0	10.0	07/18/2017	ND	214	107	200	3.63	
Surrogate: 1-Chlorooctane	96.9	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	96.3	% 34.7-15	7						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	07/13/2017	Sampling Date:	07/10/2017
Reported:	07/20/2017	Sampling Type:	Soil
Project Name:	SJ SARKEY 26 #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON, EUNICE, NM		

Sample ID: SP6 @ 9 (H701823-30)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2017	ND	1.79	89.7	2.00	2.20	
Toluene*	<0.050	0.050	07/19/2017	ND	1.94	96.8	2.00	2.30	
Ethylbenzene*	<0.050	0.050	07/19/2017	ND	2.05	102	2.00	1.73	
Total Xylenes*	<0.150	0.150	07/19/2017	ND	6.19	103	6.00	1.86	
Total BTEX	<0.300	0.300	07/19/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	141 9	% 72-148	2						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/17/2017	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/18/2017	ND	199	99.5	200	4.26	
DRO >C10-C28	<10.0	10.0	07/18/2017	ND	214	107	200	3.63	
Surrogate: 1-Chlorooctane	99.4	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	97.0	% 34.7-15	7						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	07/13/2017	Sampling Date:	07/10/2017
Reported:	07/20/2017	Sampling Type:	Soil
Project Name:	SJ SARKEY 26 #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON, EUNICE, NM		

Sample ID: SP6 @ 14 (H701823-31)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2017	ND	1.79	89.7	2.00	2.20	
Toluene*	<0.050	0.050	07/19/2017	ND	1.94	96.8	2.00	2.30	
Ethylbenzene*	<0.050	0.050	07/19/2017	ND	2.05	102	2.00	1.73	
Total Xylenes*	<0.150	0.150	07/19/2017	ND	6.19	103	6.00	1.86	
Total BTEX	<0.300	0.300	07/19/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	144 %	6 72-148	2						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/17/2017	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/18/2017	ND	199	99.5	200	4.26	
DRO >C10-C28	<10.0	10.0	07/18/2017	ND	214	107	200	3.63	
Surrogate: 1-Chlorooctane	84.2 9	6 28.3-16	4						
Surrogate: 1-Chlorooctadecane	85.0 %	6 34.7-15	7						

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Received:	07/13/2017	Sampling Date:	07/10/2017
Reported:	07/20/2017	Sampling Type:	Soil
Project Name:	SJ SARKEY 26 #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON, EUNICE, NM		

Sample ID: SP7 @ 2 (H701823-32)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2017	ND	1.79	89.7	2.00	2.20	
Toluene*	<0.050	0.050	07/19/2017	ND	1.94	96.8	2.00	2.30	
Ethylbenzene*	<0.050	0.050	07/19/2017	ND	2.05	102	2.00	1.73	
Total Xylenes*	<0.150	0.150	07/19/2017	ND	6.19	103	6.00	1.86	
Total BTEX	<0.300	0.300	07/19/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	146 %	% 72-148	2						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3200	16.0	07/17/2017	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/18/2017	ND	199	99.5	200	4.26	
DRO >C10-C28	<10.0	10.0	07/18/2017	ND	214	107	200	3.63	
Surrogate: 1-Chlorooctane	96.6	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	97.9	% 34.7-15	7						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	07/13/2017	Sampling Date:	07/10/2017
Reported:	07/20/2017	Sampling Type:	Soil
Project Name:	SJ SARKEY 26 #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON, EUNICE, NM		

Sample ID: SP7 @ 3 (H701823-33)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2017	ND	1.89	94.3	2.00	2.20	
Toluene*	<0.050	0.050	07/19/2017	ND	1.88	94.0	2.00	1.21	
Ethylbenzene*	<0.050	0.050	07/19/2017	ND	2.05	102	2.00	1.07	
Total Xylenes*	<0.150	0.150	07/19/2017	ND	6.09	102	6.00	0.563	
Total BTEX	<0.300	0.300	07/19/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 %	% 72-148							
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	07/17/2017	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/18/2017	ND	199	99.5	200	4.26	
DRO >C10-C28	<10.0	10.0	07/18/2017	ND	214	107	200	3.63	
Surrogate: 1-Chlorooctane	90.9	28.3-16	4						
Surrogate: 1-Chlorooctadecane	90.4	34.7-15	7						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	07/13/2017	Sampling Date:	07/10/2017
Reported:	07/20/2017	Sampling Type:	Soil
Project Name:	SJ SARKEY 26 #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON, EUNICE, NM		

Sample ID: SP7 @ 4 (H701823-34)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2017	ND	1.89	94.3	2.00	2.20	
Toluene*	<0.050	0.050	07/19/2017	ND	1.88	94.0	2.00	1.21	
Ethylbenzene*	<0.050	0.050	07/19/2017	ND	2.05	102	2.00	1.07	
Total Xylenes*	<0.150	0.150	07/19/2017	ND	6.09	102	6.00	0.563	
Total BTEX	<0.300	0.300	07/19/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 72-148	2						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	736	16.0	07/17/2017	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/18/2017	ND	199	99.5	200	4.26	
DRO >C10-C28	<10.0	10.0	07/18/2017	ND	214	107	200	3.63	
Surrogate: 1-Chlorooctane	100 9	28.3-16	4						
Surrogate: 1-Chlorooctadecane	101 9	34.7-15	7						

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Received:	07/13/2017	Sampling Date:	07/10/2017
Reported:	07/20/2017	Sampling Type:	Soil
Project Name:	SJ SARKEY 26 #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON, EUNICE, NM		

Sample ID: SP7 @ 5 (H701823-35)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2017	ND	1.89	94.3	2.00	2.20	
Toluene*	<0.050	0.050	07/19/2017	ND	1.88	94.0	2.00	1.21	
Ethylbenzene*	<0.050	0.050	07/19/2017	ND	2.05	102	2.00	1.07	
Total Xylenes*	<0.150	0.150	07/19/2017	ND	6.09	102	6.00	0.563	
Total BTEX	<0.300	0.300	07/19/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 72-148	2						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/17/2017	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/18/2017	ND	199	99.5	200	4.26	
DRO >C10-C28	<10.0	10.0	07/18/2017	ND	214	107	200	3.63	
Surrogate: 1-Chlorooctane	93.9	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	95.3	% 34.7-15	7						

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Received:	07/13/2017	Sampling Date:	07/10/2017
Reported:	07/20/2017	Sampling Type:	Soil
Project Name:	SJ SARKEY 26 #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON, EUNICE, NM		

Sample ID: SP7 @ 10 (H701823-36)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2017	ND	1.89	94.3	2.00	2.20	
Toluene*	<0.050	0.050	07/19/2017	ND	1.88	94.0	2.00	1.21	
Ethylbenzene*	<0.050	0.050	07/19/2017	ND	2.05	102	2.00	1.07	
Total Xylenes*	<0.150	0.150	07/19/2017	ND	6.09	102	6.00	0.563	
Total BTEX	<0.300	0.300	07/19/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 %	% 72-148	2						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/17/2017	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/18/2017	ND	199	99.5	200	4.26	
DRO >C10-C28	<10.0	10.0	07/18/2017	ND	214	107	200	3.63	
Surrogate: 1-Chlorooctane	104 %	6 28.3-16	4						
Surrogate: 1-Chlorooctadecane	102 %	34.7-15	7						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	07/13/2017	Sampling Date:	07/10/2017
Reported:	07/20/2017	Sampling Type:	Soil
Project Name:	SJ SARKEY 26 #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON, EUNICE, NM		

Sample ID: SP7 @ 15 (H701823-37)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2017	ND	1.89	94.3	2.00	2.20	
Toluene*	<0.050	0.050	07/19/2017	ND	1.88	94.0	2.00	1.21	
Ethylbenzene*	<0.050	0.050	07/19/2017	ND	2.05	102	2.00	1.07	
Total Xylenes*	<0.150	0.150	07/19/2017	ND	6.09	102	6.00	0.563	
Total BTEX	<0.300	0.300	07/19/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 %	6 72-148	2						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/17/2017	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/18/2017	ND	199	99.5	200	4.26	
DRO >C10-C28	<10.0	10.0	07/18/2017	ND	214	107	200	3.63	
Surrogate: 1-Chlorooctane	86.1 %	28.3-16	4						
Surrogate: 1-Chlorooctadecane	84.8 %	34.7-15	7						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500CI-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any daim arising, whether based in contract or tort, shall be limited to the amount paid by client for 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 thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including whose stret resons 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.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Company Name: BBC International, Inc.	tional, Inc.	Cint	Contractinguities and a feb	and a second sec	
Drainet Mananar: Clift Krincon	-	P.O. #:			NT
Address: P.O. Box 805		Company:	Alloan		
city: Hobbs	State: NM Zip: 88241				
Phone #: 575-397-6388	မှာ	7 Address:			
Project #:	0	o A City:			
Project Name: STS2	#	State: Zip:			
Project Location:	NM	Phone #:	1	7	1
Sampler Name:	- Tr	Fax #:	2	1	
FOR LAB USE ONLY		MATRIX PRESERV.	SAMPLING 2	2	
Lab I.D. Sample I.D.	G)RAB OR (C)OMF CONTAINERS GROUNDWATER	WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	DATE TIME		
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faim is based upon any of the above stated reason	s 🗆 No Add'I Phone #: s 🗆 No Add'I Fax #: 5/2 3/
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Sample Condition CHECKED BT: Cool Intact (Initials)	
MATRIX (G)RAB OR (C)OMP. (G)RA	29 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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Page 41 of 43

Company Name: BBC International. Inc.	BBC International. Inc.	BILL TO	ANALYSIS REQUEST
2 C 10 P	h	P.O. #: " A1	
Address: P.O. Box 805		Company:	
city: Hobbs	State: NM Zip: 88241	Attn: UUUUDIN	
Phone #: 575-397-6388	Fax #: 575-397-0397	Address:	
Project #:	Project Owner:	City:	
Project Name: S.J Szc	ckey #26-1	State: Zip:	24
on: Elsic	1.	Phone #:	
Sampler Name:	and the second se	Fax #:	
FOR LAB USE ONLY	(C)OMP. ERS /ATER	D -	87
Lab I.D. Sample I.D.	G)RAB OR # CONTAINE GROUNDW/ WASTEWAT SOIL OIL	SLUDGE OTHER : ACID/BASE ICE / COOL OTHER : DATE	
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30 LEASE NOTE: Liability and Damages. Cardinal's liability nances. All claims including those for negligence and ar	CIII Add client's exclusive remedy for any claim atking whether based in contract or to and any other cause whatboever shall be deemed waived unless made in writing and not	In contract or tort, shall be limited to the amount paid by the client for the writing and conserved by Cardinal writins 30 days after competition of the applicable writing and be not more inclinated by direct its subsidiaries.	to role 3 rote applicable 3 diame
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Page 42 of 43

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Company Name: BBC International, Inc.		ANALYSIS REQUEST
Project Manager: Cliff Brunson	P.O. #:	
	state: NM zip: 88241 Attn: UNU/10	
5-397-6388 1	575-	
1.4	Project Owner: We way City:	
Project Name: Set Szyley	26-1 State: Zip:	
Project Location: Frank	Phone #:	
Sampler Name: 1/20	Fax #:	
FOR LAB USE ONLY	MATRIX PRESERV. SAMPLING	
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Relinquished By: / Da	ces hereur	Phone Result: Yes No Add" Phone #: Fax Result: Yes No Add" Fax #:
Conel-5	Time: The Received By:	
	14:35 JULIUNU VILLO ALC Sample Condition CHECKED BY:	
Sampler - UPS - Bus - Other		

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pOY1708631295

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.

1220 S. St. Fran	icis Dr., Santa	a Fe, NM 87505	5	Sa	anta I	Fe, NM 875	05					
			Rele	ease Notific	catio	on and Co	orrective A	ction	l			
						OPERA	ΓOR		🛛 Initia	al Report	🗌 F	inal Report
		Chevron USA				Contact: Josepha DeLeonTelephone No.: wk: 575-263-0424Cell: 432-425-1528						
		rille Blvd., N rkeys 26 #00		TX 79706		Telephone I Facility Typ		63-042	4 Cell	: 432-425-	1528	
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Surface Ow	ner: Priva	ite		Mineral C	Jwner	: Private			API No	. 30-025-0	6791	
			5			N OF REI						
Unit Letter E	Section 26	Township 21S	Range 37E	Feet from the 1980	Nort Nort	h/South Line h	Feet from the 660	East/V West	Vest Line	County Lea		
				Latitude: <u>32.</u>	45167	<u>'92</u> Longitud	le: 103.1401	1596				
				NAT	URI	E OF REL						
Type of Rele	ease: Spill					Volume of 3 barrels of			Volume F 3 barrels	Recovered:		
						34.83 barre	els produced wate		34 barrels	produced w		
Source of Re	elease: Stuf	fing Box					lour of Occurrenc 7: 10:00 AM	ce:		Hour of Dis 7: 10:00 A		
Was Immediate Notice Given?						If YES, To Whom?						
By Whom?	Iosie Del e	on				Date and H	Iour: 03/13/2017	· 12·00 1	PM			
Was a Water		ched?		3		Date and Hour: 03/13/2017; 12:00 PM If YES, Volume Impacting the Watercourse.						
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Describe Are	ea Affected	and Cleanup A	Action Tal	ken.*								
Fluid was re	eleased on	to caliche we	ell pad. V	acuum truck ex	tracte	d standing liq	uid. Recovered	3 barre	els oil and	34 barrels	produce	d water.
regulations a public health should their or the enviro	Il operators or the enviroperations h nment. In a	are required t ronment. The have failed to a	o report an acceptance adequately OCD accept	e is true and comp nd/or file certain r ce of a C-141 repo v investigate and r otance of a C-141	elease ort by t emedia	notifications and the NMOCD mate contamination	nd perform correct arked as "Final R on that pose a thr e the operator of	ctive acti leport" d reat to gr responsi	ons for rele oes not rele ound water bility for c	eases which leve the oper , surface wa ompliance w	may enda rator of lia tter, huma vith any o	anger ability in health
		0					OIL CON	SERV	ATION	DIVISIC	<u>DN</u>	
Signature:	Jules	en				Approved by Environmental Specialist:						
Printed Nam	e: Josepha	DeLeon										
Title: HES S	Specialist –	Compliance S	upport - E	Invironmental		Approval Dat	ae: 3/27/201	7	Expiration	Date:		
E-mail Addr		chevron.com				Conditions of	Approval: ched directi	ve]	Attached		
	3/24/2017	ets If Necess		575-263-0424]			

1RP-4656

nOY1708631119

Operator/Responsible Party,

The OCD has received the form C-141 you provided on _3/27/2017_ regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number __1R-_4656_ 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 <u>division-approved corrective action</u> 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 _4/27/2017_. 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