

Site Ranking is Zero (0). DTGW >100' (approx 120', Section 34, T20S-R25E, per NMOSE) All results are ppm, Chlorides for documentation.

Released: 22 B/O & 34 B/PW Recovered: 21 B/O & 32 B/PW Release Date: 11/11/2016

heleased. 22 b) 0 & 34 b) F W helease Date. 11/11/2016								
1612931	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	Chlorides
S1-1'	Release Area	12/13/2016	Backhoe	1'	ND	ND	ND	56
S1-2'	Release Area	12/13/2016	Backhoe	2'	ND	ND	ND	56
S1-3'	Release Area	12/13/2016	Backhoe	3'	ND	ND	ND	87
S1-4'	Release Area	12/13/2016	Backhoe	4'	ND	ND	ND	140
S2-1'	Release Area	12/13/2016	Backhoe	1'	ND	ND	ND	560
S2-2 ¹	Release Area	12/13/2016	Backhoe	2'	ND	ND	ND	ND
S2-3 ¹	Release Area	12/13/2016	Backhoe	3'	ND	ND	ND	ND
S2-4 ¹	Release Area	12/13/2016	Backhoe	4'	ND	ND	ND	ND
S3-1 [']	Release Area	12/13/2016	Backhoe	1'	ND	ND	ND	ND
S3-2 ¹	Release Area	12/13/2016	Backhoe	2'	ND	ND	ND	ND
S3-3 ¹	Release Area	12/13/2016	Backhoe	3'	ND	ND	ND	ND
S3-4 ¹	Release Area	12/13/2016	Backhoe	4'	ND	ND	ND	ND



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

OrderNo.: 1612931

December 27, 2016

Chase Settle
EOG Resources
105 South Fourth Street
Artesia, NM 88210
TEL: (575) 748-4111

FAX

RE: Kiawah BFQ Federal 1

Dear Chase Settle:

Hall Environmental Analysis Laboratory received 12 sample(s) on 12/16/2016 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman

Laboratory Manager

andist

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order 1612931

Date Reported: 12/27/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Resources

Client Sample ID: S1-1'

Project:

Kiawah BFQ Federal 1

Collection Date: 12/13/2016 8:03:00 AM

Lab ID:

1612931-001

Matrix: SOIL

Received Date: 12/16/2016 9:05:00 AM

Analyses	Result	PQL Q	ıal Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: MRA
Chloride	56	30	mg/Kg	20	12/21/2016 1:44:50 AM	29317
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANIC	S			Analyst	: TOM
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	12/22/2016 1:10:23 AM	29274
Surr: DNOP	76.2	70-130	%Rec	1	12/22/2016 1:10:23 AM	29274
EPA METHOD 8015D: GASOLINE RAI	NGE				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	12/20/2016 6:58:08 PM	29268
Surr: BFB	85.7	68.3-144	%Rec	1	12/20/2016 6:58:08 PM	29268
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	12/20/2016 6:58:08 PM	29268
Toluene	ND	0.050	mg/Kg	1	12/20/2016 6:58:08 PM	29268
Ethylbenzene	ND	0.050	mg/Kg	1	12/20/2016 6:58:08 PM	29268
Xylenes, Total	ND	0.099	mg/Kg	1	12/20/2016 6:58:08 PM	29268
Surr: 4-Bromofluorobenzene	90.8	80-120	%Rec	1	12/20/2016 6:58:08 PM	29268

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits Page 1 of 16 J
- P Sample pH Not In Range
- Reporting Detection Limit RL
- Sample container temperature is out of limit as specified

Lab Order 1612931

Date Reported: 12/27/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Resources

Client Sample ID: S1-2'

Project: Kiawah BFQ Federal 1

Collection Date: 12/13/2016 8:05:00 AM

Lab ID:

1612931-002

Matrix: SOIL

Received Date: 12/16/2016 9:05:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: MRA
Chloride	56	30	mg/Kg	20	12/21/2016 6:24:43 PM	M 29317
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS	3			Analys	t: TOM
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	12/22/2016 1:37:26 AI	M 29274
Surr: DNOP	79.4	70-130	%Rec	1	12/22/2016 1:37:26 AI	M 29274
EPA METHOD 8015D: GASOLINE RAI	NGE				Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	12/20/2016 8:10:33 PI	M 29268
Surr: BFB	84.1	68.3-144	%Rec	1	12/20/2016 8:10:33 PI	M 29268
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.024	mg/Kg	1	12/20/2016 8:10:33 PI	M 29268
Toluene	ND	0.048	mg/Kg	1	12/20/2016 8:10:33 PI	M 29268
Ethylbenzene	ND	0.048	mg/Kg	1	12/20/2016 8:10:33 PI	M 29268
Xylenes, Total	ND	0.095	mg/Kg	1	12/20/2016 8:10:33 PI	M 29268
Surr: 4-Bromofluorobenzene	90.1	80-120	%Rec	1	12/20/2016 8:10:33 PI	M 29268

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RPD outside accepted recovery limits R
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits Page 2 of 16
- Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified

Lab Order 1612931

Date Reported: 12/27/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Resources

Client Sample ID: S1-3'

Project: Kiawah BFQ Federal 1

Collection Date: 12/13/2016 8:08:00 AM

Lab ID:

1612931-003

Matrix: SOIL

Received Date: 12/16/2016 9:05:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analy	/st: MRA
Chloride	87	30	mg/Kg	20	12/21/2016 12:12:27	PM 29333
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANIC	S			Analy	st: TOM
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	12/22/2016 2:04:25	AM 29274
Surr: DNOP	75.7	70-130	%Rec	1	12/22/2016 2:04:25 A	AM 29274
EPA METHOD 8015D: GASOLINE RAN	NGE				Analy	/st: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	12/20/2016 9:22:41 F	PM 29268
Surr: BFB	84.8	68.3-144	%Rec	1	12/20/2016 9:22:41 F	PM 29268
EPA METHOD 8021B: VOLATILES					Analy	/st: NSB
Benzene	ND	0.025	mg/Kg	1	12/20/2016 9:22:41 F	PM 29268
Toluene	ND	0.049	mg/Kg	1	12/20/2016 9:22:41 F	PM 29268
Ethylbenzene	ND	0.049	mg/Kg	1	12/20/2016 9:22:41 F	PM 29268
Xylenes, Total	ND	0.098	mg/Kg	1	12/20/2016 9:22:41 F	PM 29268
Surr: 4-Bromofluorobenzene	88.1	80-120	%Rec	1	12/20/2016 9:22:41 F	PM 29268

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits Page 3 of 16 J
- P Sample pH Not In Range
- Reporting Detection Limit RL
- Sample container temperature is out of limit as specified

Lab Order 1612931

Date Reported: 12/27/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Resources

Client Sample ID: S1-4'

Project: Kiawah BFQ Federal 1

Collection Date: 12/13/2016 8:10:00 AM

Lab ID:

1612931-004

Matrix: SOIL

Received Date: 12/16/2016 9:05:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analy	st: MRA
Chloride	140	30	mg/Kg	20	12/21/2016 12:49:41	PM 29333
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANIC	3			Analy	st: TOM
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	12/22/2016 2:31:21 /	AM 29274
Surr: DNOP	70.4	70-130	%Rec	1	12/22/2016 2:31:21	AM 29274
EPA METHOD 8015D: GASOLINE RAI	NGE				Analy	st: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	12/20/2016 9:46:38 F	PM 29268
Surr: BFB	85.7	68.3-144	%Rec	1	12/20/2016 9:46:38 F	PM 29268
EPA METHOD 8021B: VOLATILES					Analy	st: NSB
Benzene	ND	0.024	mg/Kg	1	12/20/2016 9:46:38 I	PM 29268
Toluene	ND	0.047	mg/Kg	1	12/20/2016 9:46:38 I	PM 29268
Ethylbenzene	ND	0.047	mg/Kg	1	12/20/2016 9:46:38 I	PM 29268
Xylenes, Total	ND	0.095	mg/Kg	1	12/20/2016 9:46:38 I	PM 29268
Surr: 4-Bromofluorobenzene	92.5	80-120	%Rec	1	12/20/2016 9:46:38 I	PM 29268

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits Page 4 of 16
- Sample pH Not In Range
- Reporting Detection Limit RL
- Sample container temperature is out of limit as specified

Lab Order 1612931

Date Reported: 12/27/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Resources

Client Sample ID: S2-1'

Project:

Kiawah BFQ Federal 1

Collection Date: 12/13/2016 8:29:00 AM

Lab ID:

1612931-005

Matrix: SOIL

Received Date: 12/16/2016 9:05:00 AM

Analyses	Result	PQL Qu	ıal Units	DF Date Analyzed Bat	tch
EPA METHOD 300.0: ANIONS				Analyst: MR	RA
Chloride	560	30	mg/Kg	20 12/21/2016 1:02:06 PM 293	333
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANIC	S		Analyst: TO	M
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1 12/24/2016 6:50:02 AM 292	274
Surr: DNOP	71.7	70-130	%Rec	1 12/24/2016 6:50:02 AM 292	274
EPA METHOD 8015D: GASOLINE RAI	NGE			Analyst: NS	В
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1 12/20/2016 10:10:40 PM 292	268
Surr: BFB	85.6	68.3-144	%Rec	1 12/20/2016 10:10:40 PM 292	268
EPA METHOD 8021B: VOLATILES				Analyst: NS	В
Benzene	ND	0.025	mg/Kg	1 12/20/2016 10:10:40 PM 292	268
Toluene	ND	0.049	mg/Kg	1 12/20/2016 10:10:40 PM 292	268
Ethylbenzene	ND	0.049	mg/Kg	1 12/20/2016 10:10:40 PM 292	268
Xylenes, Total	ND	0.098	mg/Kg	1 12/20/2016 10:10:40 PM 292	268
Surr: 4-Bromofluorobenzene	91.3	80-120	%Rec	1 12/20/2016 10:10:40 PM 292	268

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RPD outside accepted recovery limits R
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank В
- E Value above quantitation range
- Analyte detected below quantitation limits Page 5 of 16
- P Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified

Lab Order 1612931

Date Reported: 12/27/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Resources

Client Sample ID: S2-2'

Project: Kiawah BFQ Federal 1

Collection Date: 12/13/2016 8:31:00 AM

Lab ID:

1612931-006

Matrix: SOIL

Received Date: 12/16/2016 9:05:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analy	st: MRA
Chloride	ND	30	mg/Kg	20	12/21/2016 1:14:31 P	M 29333
EPA METHOD 8015M/D: DIESEL RAN	IGE ORGANICS	3			Analy	st: TOM
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	12/22/2016 3:25:35 A	M 29274
Surr: DNOP	74.4	70-130	%Rec	1	12/22/2016 3:25:35 A	M 29274
EPA METHOD 8015D: GASOLINE RA	NGE				Analy	st: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	12/20/2016 10:34:42	PM 29268
Surr: BFB	82.8	68.3-144	%Rec	1	12/20/2016 10:34:42	PM 29268
EPA METHOD 8021B: VOLATILES					Analy	st: NSB
Benzene	ND	0.024	mg/Kg	1	12/20/2016 10:34:42	PM 29268
Toluene	ND	0.048	mg/Kg	1	12/20/2016 10:34:42	PM 29268
Ethylbenzene	ND	0.048	mg/Kg	1	12/20/2016 10:34:42	PM 29268
Xylenes, Total	ND	0.097	mg/Kg	1	12/20/2016 10:34:42	PM 29268
Surr: 4-Bromofluorobenzene	87.8	80-120	%Rec	1	12/20/2016 10:34:42	PM 29268

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix
- В Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits Page 6 of 16
- P Sample pH Not In Range
- Reporting Detection Limit RL
- Sample container temperature is out of limit as specified

Lab Order 1612931

Date Reported: 12/27/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Resources

Client Sample ID: S2-3'

Project:

Kiawah BFQ Federal 1

Collection Date: 12/13/2016 8:33:00 AM

Lab ID:

1612931-007

Matrix: SOIL

Received Date: 12/16/2016 9:05:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: MRA
Chloride	ND	30	mg/Kg	20	12/21/2016 1:26:56 PI	M 29333
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS	3			Analys	st: TOM
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	12/21/2016 4:53:36 PI	M 29282
Surr: DNOP	107	70-130	%Rec	1	12/21/2016 4:53:36 PI	M 29282
EPA METHOD 8015D: GASOLINE RA	ANGE				Analys	st: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	12/20/2016 10:58:45 F	PM 29268
Surr: BFB	82.8	68.3-144	%Rec	1	12/20/2016 10:58:45 F	PM 29268
EPA METHOD 8021B: VOLATILES					Analys	st: NSB
Benzene	ND	0.024	mg/Kg	1	12/20/2016 10:58:45 F	PM 29268
Toluene	ND	0.049	mg/Kg	1	12/20/2016 10:58:45 F	PM 29268
Ethylbenzene	ND	0.049	mg/Kg	1	12/20/2016 10:58:45 F	PM 29268
Xylenes, Total	ND	0.097	mg/Kg	1	12/20/2016 10:58:45	PM 29268
Surr: 4-Bromofluorobenzene	85.7	80-120	%Rec	1	12/20/2016 10:58:45 F	PM 29268

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 7 of 16
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order 1612931

Date Reported: 12/27/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Resources

Client Sample ID: S2-4'

Project: Kiawah BFQ Federal 1

Collection Date: 12/13/2016 8:35:00 AM

Lab ID:

1612931-008

Matrix: SOIL

Received Date: 12/16/2016 9:05:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed B	Batch
EPA METHOD 300.0: ANIONS					Analyst: N	ИRA
Chloride	ND	30	mg/Kg	20	12/21/2016 2:04:10 PM 2	29333
EPA METHOD 8015M/D: DIESEL RANG	E ORGANIC	S			Analyst: T	ГОМ
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	12/21/2016 6:03:41 PM 2	29282
Surr: DNOP	104	70-130	%Rec	1	12/21/2016 6:03:41 PM 2	29282
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst: N	NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	12/21/2016 12:34:31 AM 2	29268
Surr: BFB	82.4	68.3-144	%Rec	1	12/21/2016 12:34:31 AM 2	29268
EPA METHOD 8021B: VOLATILES					Analyst: N	NSB
Benzene	ND	0.025	mg/Kg	1	12/21/2016 12:34:31 AM 2	29268
Toluene	ND	0.049	mg/Kg	1	12/21/2016 12:34:31 AM 2	29268
Ethylbenzene	ND	0.049	mg/Kg	1	12/21/2016 12:34:31 AM 2	29268
Xylenes, Total	ND	0.099	mg/Kg	1	12/21/2016 12:34:31 AM 2	29268
Surr: 4-Bromofluorobenzene	87.1	80-120	%Rec	1	12/21/2016 12:34:31 AM 2	29268

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits Page 8 of 16
- Sample pH Not In Range
- Reporting Detection Limit RL
- Sample container temperature is out of limit as specified

Lab Order 1612931

Date Reported: 12/27/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Resources

Client Sample ID: S3-1'

Project:

Kiawah BFQ Federal 1

Collection Date: 12/13/2016 9:02:00 AM

Lab ID:

1612931-009

Matrix: SOIL

Received Date: 12/16/2016 9:05:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS				and the second s	Analy	st: MRA
Chloride	ND	30	mg/Kg	20	12/21/2016 2:16:35 F	M 29333
EPA METHOD 8015M/D: DIESEL RAN	IGE ORGANICS	3			Analy	st: TOM
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	12/21/2016 6:26:56 F	M 29282
Surr: DNOP	103	70-130	%Rec	1	12/21/2016 6:26:56 F	M 29282
EPA METHOD 8015D: GASOLINE RA	NGE				Analy	st: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	12/21/2016 12:58:21	AM 29268
Surr: BFB	84.8	68.3-144	%Rec	1	12/21/2016 12:58:21	AM 29268
EPA METHOD 8021B: VOLATILES					Analy	st: NSB
Benzene	ND	0.024	mg/Kg	1	12/21/2016 12:58:21	AM 29268
Toluene	ND	0.048	mg/Kg	1	12/21/2016 12:58:21	AM 29268
Ethylbenzene	ND	0.048	mg/Kg	1	12/21/2016 12:58:21	AM 29268
Xylenes, Total	ND	0.097	mg/Kg	1	12/21/2016 12:58:21	AM 29268
Surr: 4-Bromofluorobenzene	90.5	80-120	%Rec	1	12/21/2016 12:58:21	AM 29268

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix
- В Analyte detected in the associated Method Blank
 - E Value above quantitation range
 - Analyte detected below quantitation limits Page 9 of 16
- P Sample pH Not In Range
- Reporting Detection Limit RL
- Sample container temperature is out of limit as specified

Lab Order 1612931

Date Reported: 12/27/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Resources

Client Sample ID: S3-2'

Project: Kiawah BFQ Federal 1

Collection Date: 12/13/2016 9:04:00 AM

Lab ID: 1612931-010

Matrix: SOIL

Received Date: 12/16/2016 9:05:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	st: MRA
Chloride	ND	30	mg/Kg	20	12/21/2016 2:28:59 P	M 29333
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANIC	S			Analys	st: TOM
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	12/21/2016 6:50:16 P	M 29282
Surr: DNOP	114	70-130	%Rec	1	12/21/2016 6:50:16 P	M 29282
EPA METHOD 8015D: GASOLINE RA	ANGE				Analys	st: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	12/21/2016 1:22:11 A	M 29268
Surr: BFB	87.2	68.3-144	%Rec	1	12/21/2016 1:22:11 A	M 29268
EPA METHOD 8021B: VOLATILES					Analys	st: NSB
Benzene	ND	0.025	mg/Kg	1	12/21/2016 1:22:11 A	M 29268
Toluene	ND	0.049	mg/Kg	1	12/21/2016 1:22:11 A	M 29268
Ethylbenzene	ND	0.049	mg/Kg	1	12/21/2016 1:22:11 A	M 29268
Xylenes, Total	ND	0.098	mg/Kg	1	12/21/2016 1:22:11 A	M 29268
Surr: 4-Bromofluorobenzene	93.6	80-120	%Rec	1	12/21/2016 1:22:11 A	M 29268

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits Page 10 of 16
- Sample pH Not In Range
- Reporting Detection Limit RL
- Sample container temperature is out of limit as specified

Lab Order 1612931

Date Reported: 12/27/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Resources

Client Sample ID: S3-3'

Kiawah BFQ Federal 1 Project:

Collection Date: 12/13/2016 9:05:00 AM

Lab ID: 1612931-011

Matrix: SOIL

Received Date: 12/16/2016 9:05:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: MRA
Chloride	ND	30	mg/Kg	20	12/21/2016 2:41:23 PM	29333
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANIC	S			Analyst	: TOM
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	12/21/2016 7:13:33 PM	29282
Surr: DNOP	101	70-130	%Rec	1	12/21/2016 7:13:33 PM	29282
EPA METHOD 8015D: GASOLINE RAM	NGE				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	12/21/2016 1:46:02 AM	29268
Surr: BFB	95.4	68.3-144	%Rec	1	12/21/2016 1:46:02 AM	29268
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	12/21/2016 1:46:02 AM	29268
Toluene	ND	0.048	mg/Kg	1	12/21/2016 1:46:02 AM	29268
Ethylbenzene	ND	0.048	mg/Kg	1	12/21/2016 1:46:02 AM	29268
Xylenes, Total	ND	0.096	mg/Kg	1	12/21/2016 1:46:02 AM	29268
Surr: 4-Bromofluorobenzene	105	80-120	%Rec	1	12/21/2016 1:46:02 AM	29268

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 11 of 16
- Sample pH Not In Range
- RLReporting Detection Limit
- Sample container temperature is out of limit as specified

Lab Order 1612931

Date Reported: 12/27/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Resources

Client Sample ID: S3-4'

Project: Kiawah BFQ Federal 1

Collection Date: 12/13/2016 9:08:00 AM

Lab ID:

1612931-012

Matrix: SOIL

Received Date: 12/16/2016 9:05:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: MRA
Chloride	ND	30	mg/Kg	20	12/21/2016 2:53:48 PM	A 29333
EPA METHOD 8015M/D: DIESEL RANGE	ORGANIC	S			Analys	t: TOM
Diesel Range Organics (DRO)	ND	9.1	mg/Kg	1	12/21/2016 7:36:50 PI	A 29282
Surr: DNOP	105	70-130	%Rec	1	12/21/2016 7:36:50 Pf	A 29282
EPA METHOD 8015D: GASOLINE RANG	E				Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	12/21/2016 2:09:52 Al	A 29268
Surr: BFB	94.4	68.3-144	%Rec	1	12/21/2016 2:09:52 Al	A 29268
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.024	mg/Kg	1	12/21/2016 2:09:52 AI	A 29268
Toluene	ND	0.048	mg/Kg	1	12/21/2016 2:09:52 AI	A 29268
Ethylbenzene	ND	0.048	mg/Kg	1	12/21/2016 2:09:52 AI	M 29268
Xylenes, Total	ND	0.095	mg/Kg	1	12/21/2016 2:09:52 AI	M 29268
Surr: 4-Bromofluorobenzene	105	80-120	%Rec	1	12/21/2016 2:09:52 AI	M 29268

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RPD outside accepted recovery limits R
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limit Page 12 of 16
- Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#: 1612931

27-Dec-16

Client:

EOG Resources

Project:

Kiawah BFQ Federal 1

Sample ID MB-29317

SampType: mblk

TestCode: EPA Method 300.0: Anions

TestCode: EPA Method 300.0: Anions

Client ID: **PBS**

Batch ID: 29317

RunNo: 39558

Prep Date: 12/20/2016

Sample ID LCS-29317

LCSS

Analysis Date: 12/20/2016

SeqNo: 1238865

Units: mg/Kg

Analyte

Result PQL 1.5

ND

SPK value SPK Ref Val %REC LowLimit HighLimit

%RPD **RPDLimit** Qual

Chloride

SampType: Ics

Batch ID: 29317

PQL

1.5

110

Client ID: Prep Date: 12/20/2016

RunNo: 39558

Analyte

Analysis Date: 12/20/2016

SeqNo: 1238866

Units: mg/Kg

Chloride

Result 14 SPK value SPK Ref Val 15.00

%REC 94.3

LowLimit HighLimit %RPD **RPDLimit**

Qual

Sample ID MB-29333

Result

Result

Result

14

ND

PBS

Client ID:

SampType: mblk Batch ID: 29333

TestCode: EPA Method 300.0: Anions

RunNo: 39597

Units: mg/Kg

Analyte

PQL

SeqNo: 1240228

%RPD

Qual

Chloride

SPK value SPK Ref Val %REC LowLimit 1.5

SPK value SPK Ref Val

HighLimit

RPDLimit

Prep Date:

12/21/2016

SampType: Ics Batch ID: 29333

Analysis Date: 12/21/2016

TestCode: EPA Method 300.0: Anions

RunNo: 39597

%RPD

%RPD

RPDLimit

Qual

Analyte

PQL

Analysis Date: 12/21/2016

SeqNo: 1240229

LowLimit

Units: mg/Kg HighLimit

110

Chloride

Sample ID LCS-29333

Prep Date: 12/21/2016

Sample ID LCS-29333

Prep Date: 12/21/2016

Client ID: LCSS

14 1.5 SampType: Ics

TestCode: EPA Method 300.0: Anions

Client ID:

LCSS

Batch ID: 29333

RunNo: 39597 SeqNo: 1240230

%REC

96.0

Units: mg/Kg

RPDLimit Qual

Analyte Chloride

Analysis Date: 12/21/2016 **PQL**

1.5

15.00

15.00

SPK value SPK Ref Val %REC 96.1

LowLimit

90

HighLimit 110

Qualifiers:

R

S

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded H

ND Not Detected at the Reporting Limit

RPD outside accepted recovery limits

% Recovery outside of range due to dilution or matrix

В

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Detection Limit W Sample container temperature is out of limit as specified

Analyte detected in the associated Method Blank

E Value above quantitation range

Page 13 of 16

Hall Environmental Analysis Laboratory, Inc.

WO#:

1612931

27-Dec-16

Client:

EOG Resources

Project: Kiawah	BFQ Federal 1										
Sample ID LCS-29274	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range	e Organics							
Client ID: LCSS	Batch ID: 29274	RunNo: 39554									
Prep Date: 12/19/2016	Analysis Date: 12/21/2016	SeqNo: 1239312	Units: mg/Kg								
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual							
Diesel Range Organics (DRO)	48 10 50.00	0 96.8 63.8	116								
Sum: DNOP	4.2 5.000	84.6 70	130								
Sample ID MB-29274	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range	e Organics							
Client ID: PBS	Batch ID: 29274	RunNo: 39554									
Prep Date: 12/19/2016	Analysis Date: 12/21/2016	SeqNo: 1239313	Units: mg/Kg								
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual							
Diesel Range Organics (DRO)	ND 10										
Surr: DNOP	8.2 10.00	82.2 70	130								
Sample ID LCS-29282	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics									
Client ID: LCSS	Batch ID: 29282	RunNo: 39576									
Prep Date: 12/19/2016	Analysis Date: 12/21/2016	SeqNo: 1239546	Units: mg/Kg								
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual							
Diesel Range Organics (DRO)	53 10 50.00	0 107 63.8	116								
Surr: DNOP	5.4 5.000	107 70	130								
Sample ID MB-29282	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Rang	e Organics							
Client ID: PBS	Batch ID: 29282	RunNo: 39576									
Prep Date: 12/19/2016	Analysis Date: 12/21/2016	SeqNo: 1239547	Units: mg/Kg								
Analyte		SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual							
Diesel Range Organics (DRO)	ND 10	440 ===	400								
Surr: DNOP	11 10.00	110 70	130								

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RPD outside accepted recovery limits R
- % Recovery outside of range due to dilution or matrix S
- Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- Page 14 of 16

- P Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1612931

27-Dec-16

Client:

EOG Resources

Project:

Kiawah BFQ Federal 1

Sample ID MB-29268 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Client ID: **PBS** Batch ID: 29268 RunNo: 39532 Prep Date: 12/19/2016 Analysis Date: 12/20/2016 SeqNo: 1238359 Units: mg/Kg Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) ND 5.0 Surr: BFB 890 1000 89.2 68.3 144

Sample ID LCS-29268	Sampiy	/pe: LC	S	les	tCode: El	PA Method	8015D: Gaso	line Rang	е	
Client ID: LCSS	Batch	ID: 29	268	F	RunNo: 3	9532				
Prep Date: 12/19/2016	Analysis Da	ate: 12	2/20/2016	S	SeqNo: 1	238360	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	25.00	0	112	74.6	123			
Surr: BFB	880		1000		88.0	68.3	144			

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Detection Limit

W Sample container temperature is out of limit as specified

Page 15 of 16

Hall Environmental Analysis Laboratory, Inc.

WO#:

1612931

27-Dec-16

Client:

EOG Resources

Project:

Kiawah BFQ Federal 1

Sample ID MB-29268	SampT	ype: ME	BLK	Tes						
Client ID: PBS	Client ID: PBS Batch ID: 29268				RunNo: 3	9532				
Prep Date: 12/19/2016	Analysis D)ate: 12	2/20/2016	S	SeqNo: 1	238388	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.96		1.000		96.2	80	120			

Sample ID LCS-29268	SampT	ype: LC	S	TestCode: EPA Method 8021B: Volatiles									
Client ID: LCSS	Batch ID: 29268			F	RunNo: 3								
Prep Date: 12/19/2016	Analysis D	Analysis Date: 12/20/2016 SeqNo: 1238389 Units: mg/Kg											
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Benzene	1.1	0.025	1.000	0	107	75.2	115						
Toluene	1.0	0.050	1.000	0	105	80.7	112						
Ethylbenzene	1.0	0.050	1.000	0	99.7	78.9	117						
Xylenes, Total	2.9	0.10	3.000	0	0 96.8 79.2		115						
Surr: 4-Bromofluorobenzene	0.92		1.000		92.0	80	120						

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

Page 16 of 16

P Sample pH Not In Range

RL Reporting Detection Limit

W Sample container temperature is out of limit as specified



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

Sample Log-In Check List

Work Order Number: 1612931 RcptNo: 1 EOG/Yates Client Name: Received by/date: 12/16/2016 9:05:00 AM Logged By: Ashley Gallegos 12/16/2016,3:04:36 PM Completed By: Ashley Gallegos Reviewed By: Chain of Custody No [] Not Present Yes [] 1 Custody seals intact on sample bottles? Yes 🗸 No 🗍 Not Present . 2. Is Chain of Custody complete? Courier 3 How was the sample delivered? Log In No 🗌 NA | 4. Was an attempt made to cool the samples? No [] NA ... 5. Were all samples received at a temperature of >0° C to 6.0°C' No 🗌 Yes 🗸 6. Sample(s) in proper container(s)? No | Yes V 7. Sufficient sample volume for indicated test(s)? Yes V 8. Are samples (except VOA and ONG) properly preserved? NA 📋 Yes [No V 9. Was preservative added to bottles? No [Yes |] No VOA Vials 10.VOA vials have zero headspace? Yes L No V 11. Were any sample containers received broken? # of preserved bottles checked Yes 🗸 No [for pH: 12. Does paperwork match bottle labels? (<2 or >12 unless noted) (Note discrepancies on chain of custody) Adjusted? No [] Yes 🗸 13. Are matrices correctly identified on Chain of Custody? No 🛄 Yes V 14. Is it clear what analyses were requested? No . Checked by: Yes V 15. Were all holding times able to be met? (If no, notify customer for authorization.) Special Handling (if applicable) Yes [No [NA V 16. Was client notified of all discrepancies with this order? Person Notified: Date By Whom: Via: eMail Phone Fax In Person Regarding: Client Instructions: 17. Additional remarks: 18. Cooler Information Cooler No Temp °C Condition Seal Intact Seal No

NMENTAL	ANALYSIS LABORATORY	com	VM 87109	5-4107	st					ΟΛ-	8260B (VO.)													727/2016.		6
HALL ENVIRONMENTAL	ALYSIS LA	www.hallenvironmental.com	4901 Hawkins NE - Albuquerque, NM 87109	975 Fax 505-345-4107	Analysis Request		100000000000000000000000000000000000000		(HA ON, _E C	or F Slals Sl,N(C	AM9) 0168 BM 8 AA9A D,A) anoinA Dilse9 1808	×	×	×	×	×	×	×	×	×	×	×	×	MUST HAVE RESULTS by 12/27/2016.		×
	AN	AWA .	4901 Hawkins	Tel. 505-345-3975		JA)	io se	e) (HGT + 15B (1 18.1)	BE √	BTEX + MT BTEX + MT TPH (Methor TPH (Methor	×	×	×	×	×	×	×	×	×	×	×	24 99	Remarks: MUST HA	١٥	
			ederal #1		059			50	No.	\^	HEAL NO.		-003		h00-		-000	L00~	800-	600-	0,0	110-	-010	Date Time	1/14/10 090	o
. 1 1110	c 🗆 Rush	:e:	Kiawah BFQ Federal #1		30-015-34059	ager:	Chase Settle	PO#205.0750	Chase Settle	nperature: 3.5	Preservative Type	ICE	ICE	ICE	ICE	ICE	ICE	핑	핑	핑	핑	핑	ICE	(13	(1)
שחווי טווטטיריווטיו	X Standarc	Project Nam		Project #:		Project Man			Sampler: On Ice:	9	Container Type and #	1 - 4oz.	1 - 4oz.	1 - 4oz.	1 - 4oz.	1 - 4oz.	1 - 4oz.	1 - 402.	1 - 402.	1 - 4oz.	1 - 4oz.	1 - 4oz.	1 - 40z.	Received by:	AN	Received by:
Chain-of-Custody Record	Ċ.			05 South 4th Street Artesia NM 88210	1537	Chase Settle@eogresources.com		□ Level 4 (Full Validation)			Sample Request ID	\$1-1	S1-2'	S1-3'	S1-4'	\$2-1,	\$2-2	\$2-3'	S2-4'	S3-1'	S3-2'	53-3'	S3-4'	d by:		d by:
-of-Cus	EOG Resources Inc.		.;.	Stroot Artes	575-703-6537	Chase Se	25000000		, i		Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil		Relinquished by:		Relinquished by:
Chain	Jient: EOG R		failing Address:	OF Court Ath 6	20000 #:	mail or Fax#:	A/QC Package:	_ Standard	Accreditation:	J EDD (Type)	Date Time	42/13/2016 8:03A	12/3/2016 8:05A	12/13/2016 8:08A	12132016 8:10A	12132016 8:29A	12/13/2018 8:31A	12/13/2018 8:33A	12/13/2016 8:35A	12/13/2016 9:02A	1213/2016 9:04A	12/13/2016 9:05A	1213/2016 9:08A)ate: Time:		Jate: Time:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.