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Form C-141 Revised August 8, 2011

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	cis Dr., Sant	a Fe, NM 87505				e, NM 875						
alan dan merkerikka antikan merkerikan di kasa	Manana Seria da Bandara da Secieta da Seciet	ne Britania – Jaan og sem op stander som op som	Relea	SALEY CHARLEN THE REPORT OF			orrective A	otion	NORCEMENT IN CONTRACTOR	di na sa		
			ittica		11101			ction			-	
Name of Co	mnany			OGRID Num	per	OPERAT Contact	OR		📙 Initia	al Report	\boxtimes	Final Report
		oration (EO	GY)	255		Robert Asher						
Address				al de la seconda de la contra de		Telephone N						
104 S. 4 th St						575-748-147						
Facility Nar Donner AU						Facility Typ Battery	e					
				1		Dattery						
Surface Ow State	ner			Mineral Ov State	wner				API No			
State				State				**************************************	30-025-	-34860		
			[N OF REI						
Unit Letter A	Section 26	Township 11S	Range I 34E	Feet from the 660		South Line	Feet from the 1000		Vest Line	County		
		115						1	East	Lea		
			I	Latitude 32.34	4205	_Longitude	103.47546					
				NATU	JRE	OF RELI	EASE					
Type of Relea Produced Wa						Volume of	Release			Recovered		
Source of Re				5 B/PW Date and H	our of Occurrenc	e	0 B/PW Date and	Hour of Dis	covery	,		
Production T						12/9/2015;	РМ		12/9/201		covery	
Was Immedia	ate Notice (14 Contractor (1990) C	Yes 🔲 1	No 🛛 Not Rec	wired	If YES, To Whom? d N/A						
By Whom?					lanca	Date and H	[0]]]					
N/A						N/A	lour					
Was a Water	course Rea			• The		If YES, Vo	lume Impacting t	he Wate	crcourse.			
			Yes 🛛 1	No								
If a Watercou	urse was Im	pacted, Descri	ibe Fully.*								Mart Print Constant	
Describe Cau	ise of Probl	em and Reme	dial Action	Faken.*								
					uck(s)	and roustabo	ut crews were cal	led.				
An approxim	a Affected	and Cleanup A	Action Taker	1.* lves were closed	The t	ank has been	removed and will	not be	raplaced T	The impostor		Wana
excavated an	d hauled to	an NMOCD a	approved fac	ility. Delineation	samp	les collected a	and analyzed for T	ГРН/ВТ	EX (Chlor	ides for doc	imenta	tion). Depth
to Ground V	Vater: <50 F PANKIN	' (approximat	tely 41', per	ChevronTexac	o Tren	id Map), Wel	Ilhead Protection	1 Area:	No, Distar	nce to Surfa	ce Wa	ter Body:
Corporation	(EOG Y I	Resources, Ind	c.) requests	closure.			lineation sample					
I hereby certi	ify that the	information gi	ven above is	true and comple	ete to t	he best of my	knowledge and u	nderstar	nd that pur	suant to NM	OCD 1	rules and
public health	or the envi	are required to ironment. The	o report and	or file certain re of a C-141 report	lease n t by th	e NMOCD m	nd perform correc arked as "Final R	enort" d	ions for rel	leases which	may e	ndanger
should their of	operations l	have failed to a	adequately in	vestigate and re	mediat	e contaminati	on that pose a thr	eat to gi	ound wate	r, surface w	ater, hu	uman health
or the enviro	nment. In a	addition, NMC ws and/or regu	OCD accepta	nce of a C-141 r	eport d	loes not reliev	e the operator of	responsi	bility for c	compliance v	vith an	y other
icuciai, state	, or local la	ws and/or regi	nations.				OIL CON	SEDV	ATION	DIVISIO	M	
C.	\bigcirc .	AO. 1					ULL CON	JERV	ATON	DIVISIO	JIN	
Signature:	123	400										
Printed Name	e: Robert A	sher				Approved by	Environmental S	pecialis	t:			
Tida, D.												
Title: Enviro	nmental Su	pervisor				Approval Dat	te:		Expiration	Date:		
E-mail Addre	ess: Robert	_Asher@eogre	esources.con	1		Conditions of	f Approval:			A 44-1		
Date: Januar	v 30 2017		Dhon	e: 575-748-4217		100				Attached		
		etc If Necess		0. 575-740-4217		1RP-						

Attach Additional Sheets If Necessary





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

January 06, 2016

Robert Asher Yates Petroleum Corporation 105 South Fourth Street Artesia, NM 88210 TEL: (575) 748-4217 FAX

OrderNo.: 1512994

RE: Donner AUH State #1

Dear Robert Asher:

Hall Environmental Analysis Laboratory received 2 sample(s) on 12/18/2015 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 <u>www.hallenvironmental.com</u> 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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report Lab Order 1512994

Date Reported: 1/6/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum Corporation

Project:

Donner AUH State #1

Client Sample ID: GS 0.4 Collection Date: 12/15/2015 1:05:00 PM Received Date: 12/18/2015 9:40:00 AM

Lab ID: 1512994-001	Matrix:	SOIL	Rece	ved Date: 12/	/18/2015 9:40:00 AM	
Analyses	Result	RL (Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	t: LGT
Chloride	10000	750	mg/K	g 500) 12/29/2015 6:21:37 PM	1 22981
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS	6			Analys	t: KJH
Diesel Range Organics (DRO)	140	9.9	mg/K	g 1	12/28/2015 12:35:45 P	M 22934
Surr: DNOP	102	70-130	%RE	C 1	12/28/2015 12:35:45 P	M 22934
EPA METHOD 8015D: GASOLINE RANG	GE				Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.6	mg/K	g 1	12/23/2015 11:38:01 P	M 22921
Surr: BFB	113	66.2-112	S %RE	C 1	12/23/2015 11:38:01 P	M 22921
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.046	mg/K	g 1	12/23/2015 11:38:01 P	M 22921
Toluene	ND	0.046	mg/K	g 1	12/23/2015 11:38:01 P	M 22921
Ethylbenzene	ND	0.046	mg/K	g 1	12/23/2015 11:38:01 P	M 22921
Xylenes, Total	ND	0.093	mg/K	g 1	12/23/2015 11:38:01 P	M 22921
Surr: 4-Bromofluorobenzene	129	80-120	S %RE	C 1	12/23/2015 11:38:01 P	M 22921

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В
	D	Sample Diluted Due to Matrix	E
	Н	Holding times for preparation or analysis exceeded	J
	ND	Not Detected at the Reporting Limit	Р
	R	RPD outside accepted recovery limits	RL
	S	% Recovery outside of range due to dilution or matrix	

Analyte detected in the associated Method Blank

- Value above quantitation range
- Analyte detected below quantitation limits Page 1 of 6
- Sample pH Not In Range
- Reporting Detection Limit

Analytical Report Lab Order 1512994

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/6/2016
Client Sample ID: GS 1.0

 CLIENT: Yates Petroleum Corporation
 (

 Project: Donner AUH State #1
 (

 Lab ID: 1512994-002
 Matrix: SOIL

Collection Date: 12/15/2015 1:10:00 PM Received Date: 12/18/2015 9:40:00 AM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analy	st: LGT
Chloride	3000	150		mg/Kg	100	12/29/2015 6:34:01 F	M 22981
EPA METHOD 8015M/D: DIESEL RANG	E ORGANIC	S				Analy	st: KJH
Diesel Range Organics (DRO)	370	9.8		mg/Kg	1	12/28/2015 1:18:56 F	M 22934
Surr: DNOP	96.2	70-130		%REC	1	12/28/2015 1:18:56 F	PM 22934
EPA METHOD 8015D: GASOLINE RANG	θE					Analy	st: NSB
Gasoline Range Organics (GRO)	6.2	4.7		mg/Kg	1	12/24/2015 12:02:32	AM 22921
Surr: BFB	146	66.2-112	S	%REC	1	12/24/2015 12:02:32	AM 22921
EPA METHOD 8021B: VOLATILES						Analy	st: NSB
Benzene	ND	0.047		mg/Kg	1	12/24/2015 12:02:32	AM 22921
Toluene	ND	0.047		mg/Kg	1	12/24/2015 12:02:32	AM 22921
Ethylbenzene	ND	0.047		mg/Kg	1	12/24/2015 12:02:32	AM 22921
Xylenes, Total	ND	0.093		mg/Kg	1	12/24/2015 12:02:32	AM 22921
Surr: 4-Bromofluorobenzene	126	80-120	S	%REC	1	12/24/2015 12:02:32	AM 22921

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

Refer to the QC Summary report and sample login checklist for hagged QC data and preservation informat

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix

Qualifiers:

- 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 2 of 6
- P Sample pH Not In Range
- RL Reporting Detection Limit

WO#:	1512994

06-Jan-16

Client: Project:		etroleum Co AUH State		on							
Sample ID	MB-22981	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID:	PBS	Batch	D: 22	981	R	RunNo: 31	1118				
Prep Date:	12/28/2015	Analysis D	ate: 12	2/28/2015	S	SeqNo: 9	52086	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID	LCS-22981	SampT	ype: LC	S	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID:	LCSS	Batch	n ID: 22	981	F	RunNo: 3	1118				
Prep Date:	12/28/2015	Analysis D	ate: 12	2/28/2015	S	SeqNo: 9	52087	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	92.6	90	110	ara ana ang ang ang ang ang ang ang ang an		

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

Client: Project:		Petroleum Cor er AUH State #		on							
Sample ID	MB-22934	SampTy	/pe: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID:	PBS	Batch	ID: 22	934	F	RunNo: 3	1075				
Prep Date:	12/23/2015	Analysis Da	ate: 12	2/28/2015	S	SeqNo: 9	50854	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Surr: DNOP	Organics (DRO)	ND 8.7	10	10.00		87.0	70	130			
Sample ID	LCS-22934	SampTy	/pe: LC	S	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID:	LCSS	Batch	ID: 22	934	F	RunNo: 3	1075				10
Prep Date:	12/23/2015	Analysis Da	ate: 12	2/28/2015	S	SeqNo: 9	50855	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range	Organics (DRO)	47	10	50.00	0	94.2	65.8	136			
Surr: DNOP		5.0		5.000		99.6	70	130			
Sample ID	LCS-22933	SampTy	ype: LC	s	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID:	LCSS	Batch	ID: 22	933	F	RunNo: 3	1069				
Prep Date:	12/23/2015	Analysis Da	ate: 12	2/28/2015	S	SeqNo: 9	50983	Units: %RE	с		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	a de la construcción de la constru R	5.2		5.000		104	70	130			9999999999((C.B. 1)) - C. (C. C. 1)

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

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		on							
SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8015D: Gasc	line Rang	e	
Batch ID: 22921				anNo: 3	1052				
Analysis D	ate: 12	2/23/2015	S	eqNo: 9	50159	Units: mg/K	g		
Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
ND 850	5.0	1000		85.4	66.2	112			
SampT	ype: LC	S	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	and the second
Batch	ID: 229	921	F	RunNo: 3	1052				
Analysis D	ate: 12	2/23/2015	S	SeqNo: 9	50160	Units: mg/H	(g		
Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
25 970	5.0	25.00 1000	0	99.0 97.1	79.6 66.2	122 112			
	AUH State i SampT Batch Analysis D Result ND 850 SampT Batch Analysis D Result 25	AUH State #1 SampType: ME Batch ID: 229 Analysis Date: 12 Result PQL ND 5.0 850 SampType: LC Batch ID: 229 Analysis Date: 12 Result PQL 25 5.0	SampType: MBLK Batch ID: 22921 Analysis Date: 12/23/2015 Result PQL SPK value ND 5.0 850 1000 SampType: LCS Batch ID: 22921 Analysis Date: 12/23/2015 Result DC 25 5.0 25.00	AUH State #1 SampType: MBLK Test Batch ID: 22921 F Analysis Date: 12/23/2015 S Result PQL SPK value SPK Ref Val ND 5.0 1000 SampType: LCS Test Batch ID: 22921 F Analysis Date: 12/23/2015 S Result PQL SPK value SPK Ref Val S Result PQL SPK value SPK Ref Val 25 5.0 25.00 0	AUH State #1 SampType: MBLK TestCode: Eff Batch ID: 22921 RunNo: 3" Analysis Date: 12/23/2015 SeqNo: 9! Result PQL SPK value SPK Ref Val %REC ND 5.0 850 1000 85.4 SampType: LCS TestCode: Eff Batch ID: 22921 RunNo: 3" Analysis Date: 12/23/2015 SeqNo: 9! Result PQL SPK value SPK Ref Val %REC 25 5.0 25.00 0 99.0	AUH State #1 SampType: MBLK TestCode: EPA Method Batch ID: 22921 RunNo: 31052 Analysis Date: 12/23/2015 SeqNo: 950159 Result PQL SPK value SPK Ref Val %REC LowLimit ND 5.0 66.2 SampType: LCS TestCode: EPA Method Batch ID: 22921 RunNo: 31052 Analysis Date: 12/23/2015 SeqNo: 950160 Result PQL SPK value SPK Ref Val %REC LowLimit Analysis Date: 12/23/2015 SeqNo: 950160 1000 1000 79.6	AUH State #1 SampType: MBLK TestCode: EPA Method 8015D: Gasc Batch ID: 22921 RunNo: 31052 Analysis Date: 12/23/2015 SeqNo: 950159 Units: mg/k Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit ND 5.0 50 1000 85.4 66.2 112 SampType: LCS TestCode: EPA Method 8015D: Gasc Batch ID: 22921 RunNo: 31052 Analysis Date: 12/23/2015 SeqNo: 950160 Units: mg/k Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit 25 5.0 25.00 0 99.0 79.6 122	AUH State #1 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Rang Batch ID: 22921 RunNo: 31052 Analysis Date: 12/23/2015 SeqNo: 950159 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD ND 5.0 50 1000 85.4 66.2 112 SampType: LCS TestCode: EPA Method 8015D: Gasoline Rang Batch ID: 22921 Analysis Date: 12/23/2015 SeqNo: 950160 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD 25 5.0 25.00 0 99.0 79.6 122	AUH State #1 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Batch ID: 22921 RunNo: 31052 Analysis Date: 12/23/2015 SeqNo: 950159 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit ND 5.0 85.4 66.2 112 112 112 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range Batch ID: 22921 RunNo: 31052 Analysis Date: 12/23/2015 SeqNo: 950160 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Analysis Date: 12/23/2015 SeqNo: 950160 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC LowLimit Method 8015D: Gasoline Range Batch ID: 22921 RunNo: 31052 Analysis Date:

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

06-Jan-16

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

Client: Project:		etroleum Co AUH State		on							
Sample ID	MB-22921	SampT	уре: МЕ	BLK	TestCode: EPA Method 8021B: Volatiles						
Client ID: F	PBS Batch ID: 22921				F	lunNo: 3	1052				
Prep Date:	12/22/2015	Analysis D	ate: 12	2/23/2015	S	eqNo: 9	50197	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND	0.050								
Toluene		ND	0.050								
Ethylbenzene		ND	0.050								
Xylenes, Total		ND	0.10								
Surr: 4-Bromo	fluorobenzene	1.1		1.000		115	80	120			
Sample ID	_CS-22921	SampT	ype: LC	s	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: L	LCSS	Batch	n ID: 22	921	F	RunNo: 3	1052				
Prep Date:	12/22/2015	Analysis D	Date: 12	2/23/2015	5	SeqNo: 9	50198	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.98	0.050	1.000	0	97.8	80	120	an a		
Toluene		0.98	0.050	1.000	0	98.5	80	120			
Ethylbenzene		1.0	0.050	1.000	0	99.7	80	120			
Xylenes, Total		3.0	0.10	3.000	0	101	80	120			
Surr: 4-Bromo	ofluorobenzene	1.2		1.000		122	80	120			S

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
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- 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

06-Jan-16

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	HALL ENVIRONMENTAL ANALYSIS LABORATORY	TEL: 505-345-3	ntal Analysis Laborato, 4901 Hawkins N Albuquerque, NM 8710 1975 FAX: 505-345-410 w.hallenvironmental.co	^{7E} ⁷⁹ Samp	ole Log-In Ch	eck List
Clien	nt Name: Yates Petroleum Corpor	a Work Order Num	ber: 1512994		RcptNo:	l .
Recei	ived by/date: JA (2	2/18/15		÷		
Logge	ed By: Anne Thorne	12/18/2015 9:40:0	MAG	anne Am	-	
Comp	oleted By: Anne Thorne	12/22/2015		anne Arm	~	
Revie	ewed By:	12/22/15				
Chaiı	n of Custody					
1. C	custody seals intact on sample bottles	?	Yes 🗹	No 🗌	Not Present	
2. Is	Chain of Custody complete?		Yes 🗹	No 🗌	Not Present	
3. H	low was the sample delivered?		Courier			
Log	In					
4. v	Vas an attempt made to cool the sam	ples?	Yes 🗹	No 🗌		
5. V	Vere all samples received at a temper	ature of >0° C to 6.0°C	Yes 🗹	No 🗌		
6. s	Sample(s) in proper container(s)?		Yes 🗹	No 🗌		
7. S	Sufficient sample volume for indicated	test(s)?	Yes 🔽	No 🗌		
8. A	are samples (except VOA and ONG) p	roperly preserved?	Yes 🗹	No 🗌		
9. V	Vas preservative added to bottles?		Yes 🗌	No 🗹	NA 🗌	
10.v	OA vials have zero headspace?		Yes	No 🗀	No VOA Vials 🗹	
11.V	Nere any sample containers received	broken?	Yes	No 🗹		and the second s
	Does paperwork match bottle labels?		Yes 🔽	No 🗆	# of preserved bottles checked for pH:	
	Note discrepancies on chain of custoo Are matrices correctly identified on Ch	5.5	Yes 🗹	No 🗆	Adjusted?	>12 unless noted)
	s it clear what analyses were requeste	1.1	Yes 🔽			
	Were all holding times able to be met?		Yes 🗹	No 🗌	Checked by:	
(1	If no, notify customer for authorization	.)		100 100 100	999-999 	
Snor	cial Handling (if applicable)			ð.		
	Nas client notified of all discrepancies	with this order?	Yes	No 🗆	NA 🗹	
[Person Notified:]
	By Whom:	Da Vi	H L	hone 🗌 Fax	In Person	
	Regarding:					
	Client Instructions:		en en anticipation de la companya d		a second contraction of the	

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	5.8	Good	Yes			

								F	; pres	48° 15	16) St'	pberlo2-erg) TAT Hi TAT bisb		×	×					N	131. 【部	N N Lone Star	
EQUEST		ate #1				TRRP [Forre			žx 85ec	(<u>80218/6</u> 030 of BTI .M.F	RTEX RCI N.O.F	×	×	 		 	 	:: ct? cc? Y	ner(s) <u>Y</u> (s)		\mathcal{N}
CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST		Project Name: Donner AUH State	Project #: 30-025-34860	ea County	05632	X Standard		Analyze Fo			oS 6H d	na (CI) s: As Ag Ba Cd Cr F S: A Cd Cr F S: As Ag Ba Cd Cr F S: As Ag S: As Ag Ba Cd Cr F S: Ag S: As Ag Ba Cd Cr F S: As Ag Ba Cd Ch	V AA2 Ilet9M Volati	×	×	 				Laboratory Comments: Sample Containers Intact?Y N VOCS Free of Headspace? Y N	Labels on container(s) Custody seals on container(s) Gustody seals on cooler(s)	Sample Hand Delivered by Sampler/Client Rep. by Courier? UPS	Temperature Upon Recelpt
RECORD AN		Project Name: D	Project #: 3	Project Loc: Lea County	PO #: 205632	Report Format:		-		8	1006 8015 8015	TX 1005 TX	TPH: TPH: Callor	×	×					Labo Same VOC	Time Custo	Time Samp by	Time
DF CUSTODY	•1		ĺ			Rep		HUUT		ttainers Matrix			a=wa Iorio BnoN	S	S						V2/18/15	Date	Date
CHAIN (ntecnetrolaun	הסטמ(ת) אובא הבוו חובחוווירחווו		Preservation & # of Containers		H *c	N ⁹⁷ 2 N ⁹ 0I DS ² H HCI HCI							Thank you.			
	93-2476									Ľ		-ilitered #. of Containers	Field F Tolal #	- 7	- ×								
	326 FAX (505) 393-2476					Fax No:		e-mail:			2	belqms2 e	miT	15 1:05 PM	15 1:10 PM		-			ALL results in mg/kg.	Pellet		
	(505) 393-2326											eggina Depth		4" 12/15/2015	12" 12/15/2015			 		Chlorides on separate report please. A	Received by:	Received by:	Received by EL
			ç									nning Depth		4	12" 1	 				parate re	Time 2:43 PM	Time	Time
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	ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240	Robert Asher	326 Yates Petrol	s: 105 South 4	Artocia NM 88210	576_748_4717		e.			2994		FIELD CODE		n.					Chic			
	ARDINAL I 101 East Mi	Project Manager:	Compt (505) 393-2326 Yates Petroleum Corporation	Commany Address: 105 South 4th Street	Citu/State/7in-	Talanhona No:		Sampler Signature:			# 151		Ľ	GS 0.4	GS 1.0					uctions:	JAN C	ok.	by:
K	IJ	Рл	රී	C.	3 Č		2 (Sa	(lab use only)	ORDER #:	HEAL	(lab use only) #	# 8 4 7	TON GE	202108					Special Instructions:	Relinquished	Relinquished by	Relinquished by:



February 14, 2016

ROBERT ASHER YATES PETROLEUM CORPORATION 105 S 4th Street Artesia, NM 88210

RE: DONNER AUH STATE #1

Enclosed are the results of analyses for samples received by the laboratory on 02/08/16 14:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is 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,

Celez D. Keine

Celey D. Keene Lab Director/Quality Manager



Analytical Results For:

YATES PETROLEUM CORPORATION ROBERT ASHER 105 S 4th Street Artesia NM, 88210 Fax To: (505) 748-4635

Received:	02/08/2016	Sampling Date:	02/08/2016
Reported:	02/14/2016	Sampling Type:	Soil
Project Name:	DONNER AUH STATE #1	Sampling Condition:	** (See Notes)
Project Number:	30-025-34860	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: GS 1.5 (H600280-01)

1

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4880	16.0	02/11/2016	ND	416	104	400	3.77	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence 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, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise, Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keene-

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by 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

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence 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, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, negardless of whether such claim is based block stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with writen approxations.

Celler 2 Keene -

Celey D. Keene, Lab Director/Quality Manager

Temperature Upon Receipt: Cations (Ca, Mg, Na, K) ## 205632 ** 205632 ** ** ** **
Project Loc: Lea County Project Loc: Laboratory Colustory Sample Containers Intact? Volatiles Semivolatiles Project Loc: Rci
UPS Semivolatiles



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

December 30, 2016

Robert Asher EOG Resources 105 South Fourth Street Artesia, NM 88210 TEL: (575) 748-4111 FAX

RE: Donner AUH State #1

OrderNo.: 1612C70

Dear Robert Asher:

Hall Environmental Analysis Laboratory received 1 sample(s) on 12/22/2016 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 <u>www.hallenvironmental.com</u> 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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report Lab Order 1612C70 Date Reported: 12/30/2016

Hall Environmental Analysis Laboratory, Inc.

-

CLIENT: EOG Resources Client Sample ID: SP1-A. Project: Donner AUH State #1 Collection Date: 12/20/2016 9:50:00 AM Lab ID: 1612C70-001 Matrix: SOIL Received Date: 12/22/2016 9:40:00 AM Analyses Result PQL Qual Units DF Date Analyzed Batch

		- 2- 2-		~	Dute i Maij Zeu	Daten
EPA METHOD 8015M/D: DIESEL RANG	E ORGANIC	s			Analys	t: TOM
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	12/29/2016 9:40:39 AM	1 29423
Surr: DNOP	102	70-130	%Rec	1	12/29/2016 9:40:39 AN	1 29423
EPA METHOD 8015D: GASOLINE RANG	GE				Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	12/27/2016 3:32:19 PM	1 29391
Surr: BFB	98.4	68.3-144	%Rec	1	12/27/2016 3:32:19 PM	1 29391
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Methyl tert-butyl ether (MTBE)	ND	0.094	mg/Kg	1	12/27/2016 3:32:19 PM	1 29391
Benzene	ND	0.023	mg/Kg	1	12/27/2016 3:32:19 PM	1 29391
Toluene	ND	0.047	mg/Kg	1	12/27/2016 3:32:19 PM	1 29391
Ethylbenzene	ND	0.047	mg/Kg	1	12/27/2016 3:32:19 PM	1 29391
Xylenes, Total	ND	0.094	mg/Kg	1	12/27/2016 3:32:19 PM	1 29391
Surr: 4-Bromofluorobenzene	110	80-120	%Rec	1	12/27/2016 3:32:19 PM	1 29391

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank		
	D	Sample Diluted Due to Matrix E Value above quantitation range				
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 1 of 4		
	ND	D Not Detected at the Reporting Limit P Sample pH Not In Range				
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit		
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified		

WO#: 1612C70

Page 2 of 4

30-Dec-16

	Resources r AUH State #	#1										
Sample ID LCS-29423	SampT	S	TestCode: EPA Method 8015M/D: Diesel Range Organics									
Client ID: LCSS Batch ID: 29423				3 RunNo: 39712								
Prep Date: 12/28/2016	Analysis Da	ate: 12	2/29/2016	5	eqNo: 1	244401	Units: mg/ł	۲g				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Diesel Range Organics (DRO)	44	10	50.00	0	88.6	63.8	116					
Surr: DNOP	4.6		5.000		92.7	70	130					
Sample ID MB-29423	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics			
Client ID: PBS	Batch	ID: 294	423	F	RunNo: 3	9712						
Prep Date: 12/28/2016	Analysis Da	ate: 12	2/29/2016	S	eqNo: 1	244402	Units: mg/ł	۲g				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Diesel Range Organics (DRO)	ND	10										
Surr: DNOP	9.5		10.00		95.1	70	130					

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

WO#: 1612C70

Page 3 of 4

30-Dec-16

Client: Project:	EOG Re	esources AUH State #	1								
Sample ID	MB-29391	SampTy	pe: ME	BLK	Tes	tCode: El	PA Method	8015D: Gasol	ine Rang	e	
Client ID:	PBS	Batch I	ID: 29	391	R	RunNo: 3	9665				
Prep Date:	12/23/2016	Analysis Da	te: 12	2/27/2016	S	eqNo: 1	242742	Units: mg/Kg	9		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
	e Organics (GRO)	ND	5.0								
Surr: BFB		950		1000		94.8	68.3	144			
Sample ID	LCS-29391	SampTy	pe: LC	s	Tes	tCode: E	PA Method	8015D: Gasol	ine Rang	e	
Client ID:	LCSS	Batch I	ID: 29	391	E	RunNo: 3	9665				
Prep Date:	12/23/2016	Analysis Da	te: 12	2/27/2016	S	eqNo: 1	242743	Units: mg/K	9		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	26	5.0	25.00	0	103	74.6	123			
Surr: BFB		1000		1000		99.6	68.3	144			
Sample ID	MB-29392	SampTy	pe: ME	3LK	Tes	tCode: E	PA Method	8015D: Gaso	ine Rang	e	
Client ID:	PBS	Batch	ID: 29	392	F	RunNo: 3	9665				
Prep Date:	12/23/2016	Analysis Da	te: 12	2/27/2016	S	SeqNo: 1	242756	Units: %Rec			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB		980		1000		98.3	68.3	144			
Sample ID	LCS-29392	SampTy	pe: LC	s	Tes	tCode: E	PA Method	8015D: Gaso	line Rang	e	
Client ID:	LCSS	Batch	ID: 29	392	F	RunNo: 3	9665				
Prep Date:	12/23/2016	Analysis Da	ite: 12	2/27/2016	s	SeqNo: 1	242758	Units: %Rec	l		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB		1100		1000		106	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

EOG Resources Donner AUH State #1

Client:

Project: Donner A	AUH State	#1									
Sample ID MB-29391	SampT	ype: ME	BLK	Test							
Client ID: PBS	Batch	n ID: 293	391	R	RunNo: 39665						
Prep Date: 12/23/2016	Analysis D	Date: 12	2/27/2016	S	eqNo: 12	242788	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Methyl tert-butyl ether (MTBE)	ND	0.10									
Benzene	ND	0.025									
Toluene	ND	0.050									
Ethylbenzene	ND	0.050									
Xylenes, Total	ND	0.10									
Surr: 4-Bromofluorobenzene	1.1		1.000		109	80	120				
	ple ID LCS-29391 SampType: LCS										
Sample ID LCS-29391	Samp1	Type: LC	S	Test	Code: El	PA Method	8021B: Volat	iles			
Sample ID LCS-29391 Client ID: LCSS	1.00	Type: LC h ID: 29 :			Code: El		8021B: Volat	iles			
	1.00	h ID: 29	391	R		9665	8021B: Volat Units: mg/K				
Client ID: LCSS	Batch	h ID: 29	391 2/27/2016	R	unNo: 3	9665			RPDLimit	Qual	
Client ID: LCSS Prep Date: 12/23/2016 Analyte	Batch Analysis D	h ID: 29: Date: 12	391 2/27/2016	R	unNo: 3 eqNo: 1	9665 242789	Units: mg/K	g	RPDLimit	Qual	
Client ID: LCSS Prep Date: 12/23/2016	Batch Analysis D Result	h ID: 29: Date: 12 PQL	391 2/27/2016 SPK value	R S SPK Ref Val	unNo: 3 eqNo: 1 %REC	9665 242789 LowLimit	Units: mg/K HighLimit	g	RPDLimit	Qual	
Client ID: LCSS Prep Date: 12/23/2016 Analyte Methyl tert-butyl ether (MTBE)	Batch Analysis D Result 0.90	h ID: 29: Date: 12 PQL 0.10	391 2/27/2016 SPK value 1.000	R S SPK Ref Val 0	unNo: 3 eqNo: 1 %REC 90.1	9665 242789 LowLimit 65.7	Units: mg/K HighLimit 116	g	RPDLimit	Qual	
Client ID: LCSS Prep Date: 12/23/2016 Analyte Methyl tert-butyl ether (MTBE) Benzene Toluene	Batch Analysis D Result 0.90 1.0	h ID: 29: Date: 12 PQL 0.10 0.025	391 2/27/2016 SPK value 1.000 1.000	R S SPK Ref Val 0 0	unNo: 3 eqNo: 1 %REC 90.1 103	9665 242789 LowLimit 65.7 75.2	Units: mg/K HighLimit 116 115	g	RPDLimit	Qual	
Client ID: LCSS Prep Date: 12/23/2016 Analyte Methyl tert-butyl ether (MTBE) Benzene	Batch Analysis D Result 0.90 1.0 0.96	h ID: 293 Date: 12 PQL 0.10 0.025 0.050	391 2/27/2016 SPK value 1.000 1.000 1.000	R S SPK Ref Val 0 0 0	unNo: 39 eqNo: 12 <u>%REC</u> 90.1 103 96.4	9665 242789 LowLimit 65.7 75.2 80.7	Units: mg/K HighLimit 116 115 112	g	RPDLimit	Qual	

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 4 of 4

WO#: 1612C70 30-Dec-16

	HALL
	ENVIRONMENTAL
	ANALYSIS
16	LABORATORY

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

umber: 1612C70		RcptNo: 1	
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Yes 🗌	No 🗌	Not Present 🗹	
Yes 🗹	No 🗌	Not Present	
Courier			
Yes 🗹	No 🗌	NA 🗆	
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Yes 🗹	No 🗌		
Yes 🗹	No 🗆		
Yes 🗹	No 🗋		
Yes 🗌	No 🗹	NA 🗆	
Yes	No 🗆	No VOA Vials 🗹	
Yes	No 🗹	# of preserved	
Yes 🗹	No 🗆	for pH:	>12 unless noted)
Yes 🗹	No 🗆	Adjusted?	······
Yes 🗹	No 🗌		
Yes 🗹	No 🗌	Checked by:	
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								No No		HEAL No.	-02	,										Date /2_	Date	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.
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Chain-of-Custody Record	EOG Resources, Inc.		ress:			amail: Robert_Asher@eogresources.com	age:	2	(ec	Time	9:50 AM											Time: 1:16 PM	Time:	necessa
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HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

December 30, 2016

Robert Asher EOG Resources 105 South Fourth Street Artesia, NM 88210 TEL: (575) 748-4111 FAX

RE: Donner AUH State #1

OrderNo.: 1612C70

Dear Robert Asher:

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These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to <u>www.hallenvironmental.com</u> 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,

andial

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Envi	ronmental Analysis	Laborat	ory, Inc.		Date Report		2016
CLIENT: Project:	EOG Resources Donner AUH State #1				Lab Order:	1612C70	0
Lab ID: Client Sample	1612C70-001				ate: 12/20/2016 9	9:50:00 AM	1
Analyses		Result	PQL Qua		DF Date An	alyzed	Batch ID
EPA METHO Chloride	D 300.0: ANIONS	230	30	mg/Kg	20 12/29/20	Analy: 16 8:24:36 P	st: LGT M 29462

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н 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
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits J Page 1 of 2
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Analytical Report Lab Order: 1612C70

Client: EOG Resources

Project: Donner AUH State #1

Sample ID MB-29462	SampType: MBLK	Tes	tCode: EPA Method	300.0: Anions		
Client ID: PBS	Batch ID: 29462	I	RunNo: 39748			
Prep Date: 12/29/2016	Analysis Date: 12/29/	/2016	SeqNo: 1245635	Units: mg/Kg		
Analyte	Result PQL SP	PK value SPK Ref Val	%REC LowLimit	HighLimit %RF	PD RPDLimit	Qual
Chloride	ND 1.5					
Sample ID LCS-29462	SampType: LCS	Tes	stCode: EPA Method	300.0: Anions		
Sample ID LCS-29462 Client ID: LCSS	SampType: LCS Batch ID: 29462		stCode: EPA Method RunNo: 39748	300.0: Anions		
				300.0: Anions Units: mg/Kg		
Client ID: LCSS	Batch ID: 29462 Analysis Date: 12/29,		RunNo: 39748 SeqNo: 1245636		PD RPDLimit	Qual

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

WO#: 1612C70 30-Dec-16

Page 2 of 2

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HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Client Name: EOG/7	ates	Work Order Number	1612C70		RcptNo:	
Received by/date:	a 12/22/16					
Logged By: Lindsey	Aragon	12/22/2016 9:40:00 AM	A			
Completed By: Linds	ey Aragon 12	123/10,				
Reviewed By:	A	0/23/10				
Chain of Custody	\sim ·)	1 1 -				
1. Custody seals intact	on sample bottles?		Yes 🗌	No 🗆	Not Present 🗹	
2. Is Chain of Custody	complete?		Yes 🗹	No 🗌	Not Present	
3. How was the sample	delivered?		Courier			
<u>Log In</u>						
4. Was an attempt man	de to cool the samples?		Yes 🗹	No 🗌		
5. Were all samples rea	ceived at a temperature	of >0° C to 6.0°C	Yes 🗹	No 🗌		
6. Sample(s) in proper	container(s)?		Yes 🗹	No 🗌		
7. Sufficient sample vol	lume for indicated test(s)?	Yes 🗹	No 🗌		
8. Are samples (except	VOA and ONG) proper	ly preserved?	Yes 🗹	No 🗌		
9. Was preservative ad	ded to bottles?		Yes 🗌	No 🗹	NA 🗌	
10.VOA vials have zero	headspace?		Yes 🗌	No 🗌	No VOA Vials 🗹	
11, Were any sample co	ontainers received broke	en?	Yes	No 🗹 [# of preserved	······
10					bottles checked	
12. Does paperwork ma (Note discrepancies			Yes 🗹	No 🗌	for pH: (<2 or	>12 unless noted)
13. Are matrices correct		Custody?	Yes 🖌	No 🗋	Adjusted?	
14. Is it clear what analy	ses were requested?		Yes 🗹	No 🗌		
15. Were all holding time			Yes 🗹	No 🗌	Checked by:	
(If no, notify custome	er for authorization.)					
Special Handling (i	f applicable}					
16. Was client notified o		this order?	Yes 🗌	No 🗌	NA 🗹	
Person Notifie	d:	Date	2023 i 2024 i	annan an a bhan an ab san Louin'	-	
By Whom:	CONTRACTOR CONTRACTOR CONTRACTOR	Via:	🗌 eMail 📋	Phone 🗌 Fax	In Person	
Regarding:		4) 93.1154714141151717171717171717171717171717	in the second		a, n. 4.5. Ale annual complete annual annual annual ann	
Client Instructi	ons:	, 1991), Trada di angga kangan ang kang kang kang ang kang k	ARTINIA ATTINIA PATRADANI, ALAMINA		ennerannan arrannan earlean ann a'	
17. Additional remarks:				An an an an an an Art an A		
18. <u>Cooler Information</u>						
Cooler No Ter 1 1.8	np °C Condition Se Good Yes	eal Intact Seal No	Seal Date	Signed By		
L			12112	2 3	6	

	. >								(N	or I	(۲	Air Bubbles				-							
HALL ENVIRONMENTAL	ANALYSIS LABORATORY	(((60																 	 	 	Remarks: Please put chloride results on separate report. Analytical Results by 1/6/2017. \mathcal{U}^{D}	
2	2	F	4901 Hawkins NE - Albuquerque, NM 87109	1107						(\(<u>م</u>	ime2) 0728		-						 _	 	rate I	
Z		al.col	s, NN	345-4	st						(\	8260B (VO/								 	-	sepa	
202	P	nenta	ardue	505-1	anba	3	s'8(2 PC	808	?/S	əpj	oitseg 1808		**********						 -		s on	
5	20	ironr	ndne	Fax 505-345-4107	is Re	(*0	S'⁺C	^{з,} Ъ(ON'	^e Ol	1'12), 7) enoinA	×									esult	
2	ŝ	llenv	- Ab		Analysis Request							9M 8 АЯЭЯ										ride r 017.	
	Y	www.hallenvironmental.com	Щ	3975	An							AN9) 0168										chloi 1/6/2	a.
4		MM	kins	Tel. 505-345-3975								EDB (Metho		-						 	 	e put ts by	
			Haw	505-		1000	aak	-no				TPH (Metho	<u>कार</u> स्ट						 	 	 	lease	
		All and a	1901	Tel.			1		11.1.1.1			rph Metho BTEX + MT	×		-				 	 	 	ks: P cal R	
		t de la	N					-				BTEX + MT	×		-				 	 	 	emar nalyti	
						<u>04:</u> 15	<u>an</u> t		194 , 24				49						 			60	
										🖸 No		HEAL No.	100-						2		×	Date Time / /22/16	Date Time
	Rush										1.8								 			Note	b
ime:		2	State #1			jer:			Same	X Yes	erature:	Preservative Type	Ice									, Ora	
I urn-Around 1 me:	X Standard	Project Name:	Donner AUH State #1	Project #:	30-025-34860	Project Manager:	Robert Asher		<u>ر</u> ،		Sample Temperature:	Container Type and #	1 - 4oz.									Regélied by:	Received by: ()
Chain-of-Custody Record	đ		105 S. Fourth Street	188210	217	email: Robert_Asher@eogresources.com		Level 4 (Full Validation)				Sample Request ID	SP1-A.									Per Or .	:Ac
Justo	EOG Resources, Inc.		15 S. Fou	Artesia, NM 88210	575-748-4217	jeogres(D Other		Matrix	Soil							 		Relinquished by:	Relinquished by:
5F-C	eson		10	Ar	57	her@											ļ		 	 			Rel
lain-c	EOGR		dress:			bert_AsI	:kage:	rđ	:uo		ype)	Time	9:50 AM									Time: 1:16 PM	Time:
	Olient:		Vailing Address:		⊃hone #:	email: Ro	QA/QC Package:	X Standard	Accreditation:	D NELAP	D EDD (Type)	Date	12/20/2016									Date: 12/20/2016	Date:

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

January 03, 2017

Robert Asher EOG Resources 105 South Fourth Street Artesia, NM 88210 TEL: (575) 748-4111 FAX

RE: Donner AUH State #1

OrderNo.: 1612C80

Dear Robert Asher:

Hall Environmental Analysis Laboratory received 1 sample(s) on 12/22/2016 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 <u>www.hallenvironmental.com</u> 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,

andist

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report
Lab Order 1612C80
Date Reported: 1/3/2017

Hall Environmental Analysis Laboratory, Inc.

Analyses		Result	PQL	Qual	Units	DF Date Analyzed	Batch
Lab ID:	1612C80-001	Matrix:	SOIL		Received	Date: 12/22/2016 9:40:00 AM	
Project:	Donner AUH State #1				Collection	Date: 12/20/2016 9:59:00 AM	
CLIENT:	EOG Resources			C	lient Samp	le ID: SP1-A	

				~-	= not raining not	Ducch
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANIC	S			Analy	/st: TOM
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	12/29/2016 11:01:35	AM 29423
Surr: DNOP	96.8	70-130	%Rec	1	12/29/2016 11:01:35	AM 29423
EPA METHOD 8015D: GASOLINE R	ANGE				Analy	/st: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	12/27/2016 9:25:36 F	PM 29391
Surr: BFB	96.4	68.3-144	%Rec	1	12/27/2016 9:25:36 I	PM 29391
EPA METHOD 8021B: VOLATILES					Analy	/st: NSB
Methyl tert-butyl ether (MTBE)	ND	0.096	mg/Kg	1	12/27/2016 9:25:36	PM 29391
Benzene	ND	0.024	mg/Kg	1	12/27/2016 9:25:36 I	PM 29391
Toluene	ND	0.048	mg/Kg	1	12/27/2016 9:25:36 I	PM 29391
Ethylbenzene	ND	0.048	mg/Kg	1	12/27/2016 9:25:36 I	PM 29391
Xylenes, Total	ND	0.096	mg/Kg	1	12/27/2016 9:25:36 I	PM 29391
Surr: 4-Bromofluorobenzene	108	80-120	%Rec	1	12/27/2016 9:25:36	PM 29391

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	в	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 1 of 4
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Client: EOG Resources Project: Donner AUH State #1

Sample ID LCS-29423	SampTy	pe: LC	s	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: LCSS	Batch I	ID: 294	423	F	RunNo: 3	9712				
Prep Date: 12/28/2016	Analysis Da	te: 12	/29/2016	S	SeqNo: 1	244401	Units: mg/h	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	88.6	63.8	116		anna ann a' tarainn a shùir ann a' tar	
Surr: DNOP	4.6	Station and	5.000		92.7	70	130			
Sample ID MB-29423	SampTy	pe: ME	SLK	Tes	tCode: E	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: PBS	Batch I	ID: 294	423	F	RunNo: 3	9712				
Prep Date: 12/28/2016	Analysis Da	te: 12	/29/2016	S	SeqNo: 1	244402	Units: mg/h	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	9.5		10.00		95.1	70	130			

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

WO#: 1612C80 03-Jan-17

ected in the associated Method Block

Page 2 of 4

WO#: 1612C80

Page 3 of 4

03-Jan-17

Client: EOG Resources **Project:** Donner AUH State #1 Sample ID MB-29391 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Client ID: PBS Batch ID: 29391 RunNo: 39665 Prep Date: 12/23/2016 Analysis Date: 12/27/2016 SeqNo: 1242742 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 950 1000 94.8 68.3 144 Sample ID LCS-29391 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range Client ID: LCSS Batch ID: 29391 RunNo: 39665 Prep Date: 12/23/2016 Analysis Date: 12/27/2016 SeqNo: 1242743 Units: mg/Kg

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	26	5.0	25.00	0	103	74.6	123				
Surr: BFB	1000		1000		99.6	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

Client: EOG Resources **Project:** Donner AUH State #1

Sample ID MB-29391	SampT	ype: ME	BLK	Tes	Code: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batcl	n ID: 29	391	R	unNo: 3	9665				
Prep Date: 12/23/2016	Analysis D	ate: 12	2/27/2016	S	eqNo: 1	242788	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	0.10								
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		109	80	120			
Sample ID LCS-29391	0 7		۰ <u>۰</u>	Τ						
Comple ID LCO-29391	Sampi	Type: LC	3	les	Code: El	PA Method	8021B: Volat	iles		
Client ID: LCSS		h ID: 29			lunNo: 3		8021B: Volat	iles		
		h ID: 29	391	F		9665	8021B: Volat			
Client ID: LCSS	Batcl	h ID: 29	391 2/27/2016	F	lunNo: 3	9665			RPDLimit	Qual
Client ID: LCSS Prep Date: 12/23/2016	Batcl Analysis [h ID: 29 Date: 12	391 2/27/2016	F	tunNo: 3 SeqNo: 1	9665 242789	Units: mg/K	g	RPDLimit	Qual
Client ID: LCSS Prep Date: 12/23/2016 Analyte	Batcl Analysis D Result	h ID: 29 Date: 12 PQL	391 2/27/2016 SPK value	F S SPK Ref Val	tunNo: 3 ieqNo: 1 %REC	9665 242789 LowLimit	Units: mg/K HighLimit	g	RPDLimit	Qual
Client ID: LCSS Prep Date: 12/23/2016 Analyte Methyl tert-butyl ether (MTBE)	Batcl Analysis D Result 0.90	h ID: 29 Date: 12 PQL 0.10	391 2/27/2016 SPK value 1.000	F S SPK Ref Val 0	tunNo: 3 GeqNo: 1 %REC 90.1	9665 242789 LowLimit 65.7	Units: mg/K HighLimit 116	g	RPDLimit	Qual
Client ID: LCSS Prep Date: 12/23/2016 Analyte Methyl tert-butyl ether (MTBE) Benzene	Batcl Analysis E Result 0.90 1.0	h ID: 29 Date: 12 PQL 0.10 0.025	391 2/27/2016 SPK value 1.000 1.000	F S SPK Ref Val 0 0	tunNo: 3 eqNo: 1 %REC 90.1 103	9665 242789 LowLimit 65.7 75.2	Units: mg/K HighLimit 116 115	g	RPDLimit	Qual
Client ID: LCSS Prep Date: 12/23/2016 Analyte Methyl tert-butyl ether (MTBE) Benzene Toluene	Batch Analysis D Result 0.90 1.0 0.96	h ID: 29 Date: 12 PQL 0.10 0.025 0.050	391 2/27/2016 SPK value 1.000 1.000 1.000	F S SPK Ref Val 0 0 0	RunNo: 3 SeqNo: 1 <u>%REC</u> 90.1 103 96.4	9665 242789 LowLimit 65.7 75.2 80.7	Units: mg/K HighLimit 116 115 112	g	RPDLimit	Qual
Client ID: LCSS Prep Date: 12/23/2016 Analyte Methyl tert-butyl ether (MTBE) Benzene Toluene Ethylbenzene	Batch Analysis E Result 0.90 1.0 0.96 0.94	PQL 0.10 0.025 0.050 0.050	391 2/27/2016 SPK value 1.000 1.000 1.000 1.000	F S SPK Ref Val 0 0 0 0	RunNo: 3 ieqNo: 1 %REC 90.1 103 96.4 93.6	9665 242789 LowLimit 65.7 75.2 80.7 78.9	Units: mg/K HighLimit 116 115 112 117	g	RPDLimit	Qual

Qualifiers:

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

Page 4 of 4

03-Jan-17

WO#: 1612C80

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Client Name:	EOG/Vates	Work Order Number	: 16120	280			RcptNo:	1		
Received by/da	te: 12/22/16					31 - 32 GHQ HAR -	() - () -			
Logged By:	ndsey Aragun	12/22/2016 9:40:00 A	м							
	Lindsey Arayon	12/23/10 ,								
Reviewed By:	1. Ka	12/22/110								
Chain of Cus	stody									
127 - 14120 - 14140 - 14120	als intact on sample bottles?		Yes		No [Not Present V			
	Custody complete?		Yes	\checkmark	No [Not Present			
	e sample delivered?		<u>Cour</u>	ier				9		
Log In										
4. Was an att	empt made to cool the sample	s?	Yes		No		na 🗆			
5. Were all sa	imples received at a temperatu	re of >0° C to 6.0°C	Yes		No [
6. Sample(s)	in proper container(s)?		Yes		No					
7. Sufficient s	ample volume for indicated tes	t(s)?	Yes		No					
8, Are sample	es (except VOA and ONG) prop	erly preserved?	Yes	\checkmark	No					
9. Was prese	rvative added to bottles?		Yes		No	\checkmark	NA 🗌			
10. VOA vials I	have zero headspace?		Yes		No		No VOA Vials 🗹			
11. Were any	sample containers received bro	oken?	Yes		No		# of preserved	4/1/00 8		
40 -							bottles checked			
	rwork match bottle labels? repancies on chain of custody)		Yes		No		for pH: (<2 o	r >12 unless noted)		
·	es correctly identified on Chain	of Custody?	Yes		No		Adjusted?			
	what analyses were requested?		Yes	\checkmark	No					
15. Were all h	olding times able to be met?		Yes		No		Checked by:			
(If no, notif	y customer for authorization.)					ı	an ann			
Special Han	dling (if applicable)									
	notified of all discrepancies wi	th this order?	Yes		No		NA 🗹			
Pers	on Notified:	Date	I manual second		DIREASING STATIST	لشسين]		
	Vhom:	Via:	l ∏eM	ail 🗌 Pho	ne 🗍	Fax	In Person			
-	arding:									
	nt Instructions:	i and in the first of the first of a state of the	nanadina aminin	anan dalamatik (1993-943)	E PRESC SPECIAL	antan tin bia	n an			
17. Additiona	······	*****				-	9			
18. <u>Cooler In</u>	formation									
Cooler	No Temp °C Condition	Seal Intact Seal No	Seal D	ate S	igned E	Ву				
11	1.0 0000						6			

HALL ENVIRONMENTAL	ANALYSIS LABORATORY	ental.com	дие, NM 87109	Fax 505-345-4107	uest			dZ		(AC	(Ac	8081 Pesti 8260B (VC 8270 (Sen 8270 (Sen								on separate report.	
HALL ENVIE	ANALYSIS L	www.hallenvironmental.com	4901 Hawkins NE - Albuquerque, NM 87109	Tel. 505-345-3975 Fax 5(Analysis Request		10000) NC (F	PPA PPA	, or letal letal	нњ) Н9Т Н9М) 803 АЛО (РИА М 8 АЯОЯ М 8 АЯОЯ (F)	*			 				Remarks: Please put chloride results on separate report. Analytical Results by 1/6/2017.	
			4901 Ha	Tel. 50		(ʎju	0 58	ອ)	Hd]	[+]	381 381	TPH Metho BTEX + M BTEX + M	X X	 	 			•		Remarks: Ple Analytical Ret	
I Urn-Around I Ime:	X Standard D Rush	Project Name:	Donner AUH State #1	Project #:	30-025-34860	Project Manager:	Robert Asher		Sampler: Same	On Ice: 24 Yes D No	Sample Témperature: $L m{ heta}$	ContainerPreservativeHEAL No.Type and #Type(6 (2 C 0 0))	1-402. Ice -00							Regelved by: Date Time	Received by Date Time
Chain-of-Custody Record	EOG Resources, Inc.		105 S. Fourth Street		575-748-4217	imail: Robert_Asher@eogresources.com		Level 4 (Full Validation)		□ Other		Matrix Sample Request ID	Soil SP1-A							Relinquisperty:	Relinquished by:
Chain-o	Xient: EOG Re		failing Address:		hone #-	mail: Robert_Ash	JA/QC Package:	K Standard	Accreditation:	D NELAP	I EDD (Type)	Date	10/2016 8-59 AM						-	Date: Time: 12/20/2016 1:19 PM	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



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

January 03, 2017

Robert Asher EOG Resources 105 South Fourth Street Artesia, NM 88210 TEL: (575) 748-4111 FAX

RE: Donner AUH State #1

OrderNo.: 1612C80

Dear Robert Asher:

Hall Environmental Analysis Laboratory received 1 sample(s) on 12/22/2016 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 <u>www.hallenvironmental.com</u> 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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report							
Lab Order 1612C80							
Date Reported: 1/3/2017							

Hall Environmental Analysis Laboratory, Inc. CLIENT: EOG Resources Client Sample ID:

CLIENT: EC	OG Resources	Client Sample ID: SP1-A									
Project: Do	nner AUH State #1	Collection Date: 12/20/2016 9:59:00 AM									
Lab ID: 16	12C80-001	Matrix:	SOIL	Received	Date: 12/22/2016 9:40:00 AM						
Analyses		Result	PQL Q	ual Units	DF Date Analyzed	Batch					
EPA METHO	D 300.0: ANIONS				Analys	t: LGT					
Chloride		280	30	mg/Kg	20 12/30/2016 11:32:37 A	M 29482					

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

*	Value exceeds Maximum Contaminant Level.	в	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	Ε	Value above quantitation range
Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 1 of 2
ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified
	* D H ND R S	 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 	DSample Diluted Due to MatrixEHHolding times for preparation or analysis exceededJNDNot Detected at the Reporting LimitPRRPD outside accepted recovery limitsRL

1
Client: EOG Resources **Project:** Donner AUH State #1

Sample ID MB-29482	SampType: MBLK	TestCode: EPA Method	300.0: Anions	
Client ID: PBS	Batch ID: 29482	RunNo: 39774		
Prep Date: 12/30/2016	Analysis Date: 12/30/2016	SeqNo: 1246699	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	ND 1.5			
Sample ID LCS-29482	SampType: LCS	TestCode: EPA Method	300.0: Anions	An for the state of the
Client ID: LCSS	Batch ID: 29482	RunNo: 39774		
Prep Date: 12/30/2016	Analysis Date: 12/30/2016	SeqNo: 1246700	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual

WO#:

Page 2 of 2

1612C80

03-Jan-17

Qualifiers:

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

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

Sample Log-In Check List

Client Name: EOG/Yates	Work Order Numbe	r: 1612C80		RcptNo: 1	
Received by/date: 0 12/22/10	0				
Logged By: Lindsey Aragun	12/22/2016 9:40:00 A	м			
Completed By: Lindsey Arayon	12/23/10				
Reviewed By:	12/23/11	>			
Chain of Custody	1 - 114				
1. Custody seals intact on sample bottle	s?	Yes	No 🗆	Not Present 🗹	
2. Is Chain of Custody complete?		Yes 🗹	No 🗔	Not Present	•
3. How was the sample delivered?		Courier			
Log In					
4. Was an attempt made to cool the sar	nples?	Yes 🗹	No 🗌	NA 🗌	
5. Were all samples received at a tempe	erature of >0° C to 6.0°C	Yes 🔽	No 🗌	NA 🗆	
6. Sample(s) in proper container(s)?		Yes 🗹	No 🗆		
7. Sufficient sample volume for indicated	test(s)?	Yes 🗹	No 🗆		
8. Are samples (except VOA and ONG)	properly preserved?	Yes 🗹	No 🗆		
9. Was preservative added to bottles?		Yes 🗌	No 🗹	NA 🗌	
10. VOA vials have zero headspace?		Yes	No 🗌	No VOA Vials 🗹	
11. Were any sample containers received	d broken?	Yes	No 🗹 [# of preserved	
12. Does paperwork match bottle labels?		Yes 🗹	No 🗆	bottles checked for pH:	
(Note discrepancies on chain of custo	ody)				>12 unless noted)
13. Are matrices correctly identified on C	hain of Custody?	Yes 🗹	No 🗆	Adjusted?	1
14. Is it clear what analyses were reques		Yes 🗹	No 🗌		
 Were all holding times able to be met (If no, notify customer for authorizatio 		Yes 🗹	No 🗔	Checked by:	
		ň			
Special Handling (if applicable)					
16. Was client notified of all discrepancie	s with this order?	Yes 🗌	No 🗆	NA 🗹	
Person Notified:	Date	ſ	anangan ang ang ang ang ang ang ang ang		
By Whom:	Via:	🗌 eMail 🗌 F	Phone 📋 Fax	In Person	
Regarding:	NAMES AND ALCONG TO A STATE OF A STATE OF A STATE OF A STATE OF A STATE A STATE A STATE A STATE A STATE A STATE				
Client Instructions:					
17. Additional remarks:					
18. <u>Cooler Information</u>	1			I	
Cooler No Temp °C Condition 1 1.8 Good	on Seal Intact Seal No Yes	Seal Date	Signed By		

MENTAL	ANALYSIS LABORATORY	ш	4901 Hawkins NE - Albuquerque, NM 87109	Fax 505-345-4107								mə2) (Sem Air Bubble:												Remarks: Flease put chloride results on separate report. Analytical Results by 1/8/2017.		the analytical report.
NO	B	www.hallenvironmental.com	ue, N	5-345	sest							8260B (VC		 						_	_					tated or
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N	IS	enviro	Albu	Fa	Analysis Request			nie.			-	M 8 AADA	679	 		-						+	_	de re 117.		vill be cl
	5	v.hall	ч Щ	975	Ana							AN9) 0168												Remarks: Please put chiloride Analytical Results by 1/6/2017.		d data v
IAL	N	ww	kins h	Tel. 505-345-3975								EDB (Weft		 										ts by		ntracter
	. 4		Hawl	505-3		10.000			-	and the second	-	ntem) H9T	thit	 			ana an		-			-		Result		sub-co
		1 1 1	4901	Tel.		15	1.4	37.11				TPH Metho BTEX + M	×	 						-		+		tical F		ty. Any
			•				252.000					BTEX+M	X	 	_	-		_				+	-	Analy		ilidisso
I urn-Arouna I Ime:	X Standard D Rush	Project Name:	Donner AUH State #1	Project #:	30-025-34860	Project Manager:	Robert Asher		Sampler: Same	On Ice: X Yes	Sample: Témperature: L B	ContainerPreservativeTypeHEAL No.Type(6 12 C 3 0	1-4oz. Ice -00										R	or when a care time	Received by Date Time	If mecessary, 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.
Chain-of-Custody Record	EOG Resources, Inc.		105 S. Fourth Street	Artesia, NM 88210	575-748-4217	mail: Robert_Asher@eogresources.com		Level 4 (Full Validation)		Other		Matrix Sample Request ID	Soil SP1-A											Relinquisped-by.	Relinquished by:	amnlas submitted to Hall Environmental may be su
in-of-	OG Rest					t_Asher	:ət					Time	9:59 AM											Time: 1:19 PM	Time:	PLASSIN. SS
Cha	Xient: E(Aailing Address:		2hone #-	imail: Rober	JA/QC Package:	X Standard	Accreditation:	D NELAP	EDD (Type)	Date	12/20/2018											Date: Tir 12/20/2016 1	Date: Tir	1 in



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

December 30, 2016

Robert Asher EOG Resources 105 South Fourth Street Artesia, NM 88210 TEL: (575) 748-4111 FAX

RE: Donner AUH State 1

OrderNo.: 1612C77

Dear Robert Asher:

Hall Environmental Analysis Laboratory received 1 sample(s) on 12/22/2016 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 <u>www.hallenvironmental.com</u> 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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report
Lab Order 1612C77
Date Reported: 12/30/2016

Hall Environmental Analysis Laboratory, Inc.

Analyses		Result	PQL Qu	al Units	DF Date Analyzed	Batch
Lab ID:	1612C77-001	Matrix:	SOIL	Received	Date: 12/22/2016 9:40:00 AM	M
Project:	Donner AUH State 1			Collection	Date: 12/20/2016 10:04:00 A	M
CLIENT:	EOG Resources			Client Samp	le ID: SP2-A.	

			WARME WARMEN AND AND AND AND AND AND AND AND AND AN		j	Dutter
EPA METHOD 8015M/D: DIESEL RAN	IGE ORGANIC	s			Anal	yst: TOM
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	12/29/2016 10:07:41	AM 29423
Surr: DNOP	93.3	70-130	%Rec	1	12/29/2016 10:07:41	AM 29423
EPA METHOD 8015D: GASOLINE RA	NGE				Anal	yst: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	12/27/2016 3:55:57	PM 29391
Surr: BFB	98.8	68.3-144	%Rec	1	12/27/2016 3:55:57	PM 29391
EPA METHOD 8021B: VOLATILES					Anal	yst: NSB
Methyl tert-butyl ether (MTBE)	ND	0.10	mg/Kg	1	12/27/2016 3:55:57	PM 29391
Benzene	ND	0.025	mg/Kg	1	12/27/2016 3:55:57	PM 29391
Toluene	ND	0.050	mg/Kg	1	12/27/2016 3:55:57	PM 29391
Ethylbenzene	ND	0.050	mg/Kg	1	12/27/2016 3:55:57	PM 29391
Xylenes, Total	ND	0.10	mg/Kg	1	12/27/2016 3:55:57	PM 29391
Surr: 4-Bromofluorobenzene	110	80-120	%Rec	1	12/27/2016 3:55:57	PM 29391

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Dage 1 of
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range Page 1 of 4
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Page 2 of 4

Client: E	OG Resources									
Project: D	onner AUH State	1								
Sample ID LCS-2942	3 Samo	Type: LC	· c	Tos	tCodo: E	PA Mothod	2015M/D. D.	and Dama	Ormanias	
Client ID: LCSS		h ID: 29			RunNo: 3		8015M/D: Die	eser kang	e Organics	
Prep Date: 12/28/20					SeqNo: 1		Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DR	O) 44	10	50.00	0	88.6	63.8	116			
Surr: DNOP	4.6		5.000		92.7	70	130			
Sample ID MB-29423	Samp	Гуре: МЕ	BLK	Tes	tCode: E	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: PBS	Batc	h ID: 29	423	F	RunNo: 3	9712				
Prep Date: 12/28/20	16 Analysis [Date: 12	2/29/2016	S	SeqNo: 1	244402	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DR	0) ND	10								
Surr: DNOP	9.5		10.00		95.1	70	130			

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

WO#: 1612C77 30-Dec-16

Client:	EOG Re									
Project:	Donner	AUH State 1								
Sample ID	MB-29391	SampType: N	IBLK	Tes	tCode: EF	PA Method	8015D: Gasol	ine Rang	e	
Client ID:	PBS	Batch ID: 2	9391	F	lunNo: 39	9665				
Prep Date:	12/23/2016	Analysis Date:	12/27/2016	S	eqNo: 12	242742	Units: mg/Kg	9		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
•	e Organics (GRO)	ND 5.0)							
Surr: BFB		950	1000		94.8	68.3	144			
Sample ID	LCS-29391	SampType: L	CS	Tes	tCode: EF	PA Method	8015D: Gasol	ine Rang	e	and and a state of the state of t
Client ID:	LCSS	Batch ID: 2	9391	F	RunNo: 3	9665				
Prep Date:	12/23/2016	Analysis Date:	12/27/2016	S	SeqNo: 1	242743	Units: mg/K	9		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
	e Organics (GRO)	26 5.	25.00	0	103	74.6	123			
Surr: BFB		1000	1000		99.6	68.3	144			
Sample ID	MB-29392	SampType: N	IBLK	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID:	PBS	Batch ID: 2	9392	F	RunNo: 3	9665				
Prep Date:	12/23/2016	Analysis Date:	12/27/2016	S	SeqNo: 1	242756	Units: %Rec			
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB		980	1000	1	98.3	68.3	144			
Sample ID	LCS-29392	SampType: L	.CS	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID:	LCSS	Batch ID: 2	9392	F	RunNo: 3	9665				
Prep Date:	12/23/2016	Analysis Date:	12/27/2016	S	SeqNo: 1	242758	Units: %Rec			
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB		1100	1000		106	68.3	144	nengent) (e sel (di matriques		

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 3 of 4

Client: EOG Resources Project: Donner AUH State 1

Sample ID MB-29391	SampT	ype: ME	LK	Test	Code: E	PA Method	8021B: Volat	iles		
Client ID: PBS	Batch	n ID: 293	391	R	unNo: 3					
Prep Date: 12/23/2016	Analysis D	ate: 12	/27/2016	S	eqNo: 1	242788	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	0.10								
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000	NA THE CONSTRUCTION OF STREET, ST. St. CO.	109	80	120			
Sample ID LCS-29391	SampT	ype: LC	S	Tes	tCode: E	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batch	n ID: 29	391	F	RunNo: 3	9665				
Prep Date: 12/23/2016	Analysis D)ate: 12	2/27/2016	5	eqNo: 1	242789	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	0.90	0.10	1.000	0	90.1	65.7	116			
Benzene	1.0	0.025	1.000	0	103	75.2	115			
Toluene	0.96	0.050	1.000	0	96.4	80.7	112			
Ethylbenzene	0.94	0.050	1.000	0	93.6	78.9	117			
Xylenes, Total	2.8	0.10	3.000	0	94.4	79.2	115			
Surr: 4-Bromofluorobenzene	1.1		1.000		110	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
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Page 4 of 4

WO#: 1612C77 30-Dec-16

		HALL ENVIRONMENTAL
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	ul.	LABORATORY

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

Client Name: EOG/Xates	Work Order Numbe	er: 1612C77		RcptNo: 1	
Received by/date: TCI 12	22/16				
	1902 12/22/2016 9:40:00 / Tragun 12/23/16	AM			
Reviewed By:	12/23/10				
Chain of Custody	1 1				
1. Custody seals intact on sampl	e bottles?	Yes 🗋	No 🗌	Not Present 🗹	
2. Is Chain of Custody complete	?	Yes 🔽	No 🗌	Not Present	
3. How was the sample delivered	17	Courier			
Log in					
4. Was an attempt made to cool	the samples?	Yes 🔽	No 🗌	NA 🗌	
5. Were all samples received at	a temperature of >0° C to 6.0°C	Yes 🔽	No 🗌		
6. Sample(s) in proper container	(s)?	Yes 🔽	No 🗌		
7. Sufficient sample volume for i	ndicated test(s)?	Yes 🗹	No 🗆		
8. Are samples (except VOA and	I ONG) properly preserved?	Yes 🗹	No 🗌		
9. Was preservative added to bo	ttles?	Yes	No 🗹	NA 🗆	
10. VOA vials have zero headspa	ce?	Yes 🗌	No 🗌	No VOA Vials 🗹	
11. Were any sample containers	received broken?	Yes	No 🗹	# of preserved	
				bottles checked	
 Does paperwork match bottle (Note discrepancies on chain 		Yes 🗹	No 📙	for pH: (<2 or	>12 unless noted)
13. Are matrices correctly identifie		Yes 🗹	No 🗌	Adjusted?	·
14. Is it clear what analyses were		Yes 🗹	No 🗆	560130	
15. Were all holding times able to		Yes 🗹	No 🗌	Checked by:	
(If no, notify customer for auth	ionzation.)				
Special Handling (if applic	able)				
16. Was client notified of all discr	epancies with this order?	Yes 🗌	No 🗌	NA 🗹	
Person Notified:	Date	T			
By Whom:	Via:	, eMail	Phone 🗌 Fax	In Person	
Regarding:	an a	an an an 1969. An ann ann an ann ann an ann an an an an	an a	<u></u>	
Client Instructions:	n den samt de la martine de la compositiva en la seconda de la compositiva de la compositiva de la compositiva	n de la decentra de l	alaanadahalah <u>t. ()(</u> "peng transa	aalingaan maaninga kaalinga ah ahadi, isaat	
17. Additional remarks:					
18. Cooler Information					
	Condition Seal Intact Seal No ood Yes	Seal Date	Signed By	-	
р <u>то</u> G	Hou Tes			1	

_	RY								(N	or	Y) e	Air Bubbles		 						 			
HALL ENVIRONMENTAL	ANALYSIS LABORATORY		4901 Hawkins NE - Albuquerque, NM 87109	07										 	 					 		Remarks: Please put chloride results on separate report. Analytical Results by 1/6/2017.	
NN	õ	www.hallenvironmental.com	WN	Fax 505-345-4107						AC		OV) 80828 M92) 0728		 	 					 		epar	
õ	A	ental	due,	05-34	Ines		5.80	0d Z	808	/ 54		olteeq 1808		 	 					 		suo	
	5	onmo	duer	ax 5(Rec							,7) anoinA	×	 	 					 		sults	
	IS	envir	Albu	щ	Analysis Request	<u>jira(</u> i -	- [2.2.3	<u> </u>	2469192	-		RCRA 8 M			 							de re 117.	
bibi post	E	v.hall	ц	375	Ana			A Baind.a	(H	Aq	or	AN9) 0168										hlori 1/6/20	
Ž	NA	www	ins N	Tel. 505-345-3975					(1.1	709	; po	EDB (Meth		 								Remarks: Please put chloride	
aller,	<		lawk	05-3		-						ntem) H9T						- competer				ease	
			901 F	el. 5		121 . 1			Sec. 199	1 1		TPH Metho	×		 	-				 		s: Pl al Re	120
			4									rm + Xətə		 	 		_			 		mark alytic	
			T			0	208) 5,8	TME	* 1	181	BTEX + M	×	 	 							Re	
										0		HEAL No.	100 -									Date Time 2/22/1:0 (Date Time
					and the second second					2 D		16	-						2			- 2	
۱۱۱۴	🗆 Rush_		State #1	a		er:				A Yes	Temperature: 1-8	Preservative Type	lce									Oragon	\mathcal{O}
	X Standard	Project Name:	Donner AUH State #1	Project #:	30-025-34860	Project Manager:	Robert Asher		Ľ	On Ice:	Sample Tempé	Container Type and #	1 - 4oz.					1.			6	Redelived by:	Received by 🕖
Chain-of-Custody Record	Inc.		105 S. Fourth Street	Artesia, NM 88210	-4217	Asher@eogresources.com		Level 4 (Full Validation)				Sample Request ID	SP2-A.									Ded DUA : (Time: Relinquished by: Received by U Date Time
-Cust	ources,		105 S. F	Artesia,	575-748-4217	r@eogr				□ Other		Matrix	Soil									Relinquished by:	Relinquished by:
ain-oi	EOG Resources, Inc.		ress:					7	in:		pe)	Time	10:04 AM									Time: 1:22 PM	Time:
	Client:		Mailing Address:		2hone #:	smail: Robert	2A/QC Package:	X Standard	Accreditation:	D NELAP	I EDD (Type)	Date	12/20/2016									Date: 12/20/2016	Date:



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

December 30, 2016

Robert Asher EOG Resources 105 South Fourth Street Artesia, NM 88210 TEL: (575) 748-4111 FAX

RE: Donner AUH State 1

OrderNo.: 1612C77

Dear Robert Asher:

Hall Environmental Analysis Laboratory received 1 sample(s) on 12/22/2016 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 <u>www.hallenvironmental.com</u> 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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Envi	ronmental Analysis	Laborat	ory, Inc.		Lab Order: 1612C Date Reported: 12	•••
CLIENT: Project:	EOG Resources Donner AUH State 1				Lab Order: 161	2C77
Lab ID:	1612C77-001			Collection I	Date: 12/20/2016 10:04:	00 AM
Client Sample	e ID: SP2-A.			Ma	trix: SOIL	
Analyses		Result	PQL Qua	al Units	DF Date Analyzed	l Batch ID
EPA METHO Chloride	D 300.0: ANIONS	180	30	mg/Kg		Analyst: LGT 2:00 PM 29462

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

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 1 of 2

Analytical Report

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

WO#: 1612C77

Page 2 of 2

30-Dec-16

Client: EOG Resources Project: Donner AUH State 1 Sample ID MB-29462 SampType: MBLK TestCode: EPA Method 300.0: Anions Client ID: PBS Batch ID: 29462 RunNo: 39748 Prep Date: 12/29/2016 Analysis Date: 12/29/2016 SeqNo: 1245635 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Chloride ND 1.5 Sample ID LCS-29462 SampType: LCS TestCode: EPA Method 300.0: Anions Client ID: LCSS Batch ID: 29462 RunNo: 39748 Prep Date: 12/29/2016 Analysis Date: 12/29/2016 SeqNo: 1245636 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit %RPD HighLimit **RPDLimit** Qual Chloride 14 1.5 15.00 0 93.8 90 110

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

HALL
ANALYSIS
LABORATORY

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

Client Nam	e: EOG/Xates	Worl	k Order Number:	16120	77			RcptNo:	1
Received by	y/date: TA	12/22/16							
	- 1 × 1	(opport	2016 9:40:00 AM						
Completed Reviewed E	10	Aragun 121	23/16						
	- Our Y	- 10-123	5/110						
Chain of	V	and halling				· 61-		Not Down of Fd	
	y seals intact on sa n of Custody compl			Yes		No No		Not Present 🗹	a.
				_	all and a second se	NO			
3. How wa	is the sample deliv	ereur		Cour	<u>ier</u>				
<u>Log In</u>			•						
4. Was ar	attempt made to	cool the samples?		Yes		No		NA 🗌	
5. Were a	Il samples received	at a temperature of >0°	C to 6.0°C	Yes		No			
6. Sample	e(s) in proper conta	iner(s)?		Yes		No			
7. Sufficie	nt sample volume	for indicated test(s)?		Yes	\checkmark	No			
8. Are san	nples (except VOA	and ONG) properly prese	erved?	Yes		No			
9. Was pr	eservative added to	bottles?		Yes		No	\checkmark	NA 🗆	
10.VOA vi	als have zero head	space?		Yes	Π	No		No VOA Vials 🗹	
		ers received broken?		Yes		No		annen energie erreitende in	
								# of preserved bottles checked	
	aperwork match bo			Yes	\checkmark	No		for pH:	
	liscrepancies on ch trices correctly idea	ain or custody) ntified on Chain of Custod	v?	Yes		No		Adjusted?	or >12 unless noted)
	ar what analyses w		<i>.</i>	Yes		No	_		
1000000 00000000 000	II holding times abl			Yes		No	_	Checked by:	
(If no, r	notify customer for	authorization.)		10					
Contraction of the second second	landling (if app						_		
		iscrepancies with this ord	er?	Yes		No		NA 🗹	-
1	erson Notified:	the second s	Date				13		
	By Whom:	and and and a state of the stat	Via:	eM	ail 🗌 F	Phone	Fax	In Person	
	Regarding: Client Instructions:	e l'are possible and a company a			n hate a state			1120-1-0-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	
L	onal remarks:	1							
IN U.D.C. Shine and the	er Information oler No Temp °C	Condition Seal Inta	ct Seal No	Seal D	ate I	Signed E	3v	ſ	
1	1.8	Good Yes					- J		
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HALL ENVIRONMENTAL	ANALYSIS LABORATORY																 _	_	_	-	_	-		ť		report.
Z	Ě		109	2													 			\neg		+		Remarks: Please put chloride results on separate report. Analytical Results by 1/6/2017. 👘		alytical
Σ	RO	E	M 87	410						(\(٥٨-	im92) 0728												arafe		the an
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N	SI	viron	nbnq	Fax 505-345-4107	sis R	(*09	S"*C)d' ²	ON),7) enoinA	×				 							resu		e clear
U	i S	www.hallenvironmental.com	4901 Hawkins NE - Albuquerque, NM 87109		Analysis Request							9M 8 ARDA			_		 							Remarks: Please put chloride i Analytical Results by 1/6/2017.		d lliw e
	A	w.h:	ШN М	Tel. 505-345-3975	Ar		-					AN9) 0128		-			 			_		_		, 116/		ed data
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												HEAL No.	100-											122/1ú	Date Time	other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.
										D No	8	16	-			-								a H	ä	es. This
	C Rush		State #1	A		jer:			Same	<u>Å</u> Yes	Temperature: 1.	Preservative Type	lce											Orago	0	credited laboratori
ו תנוו-אוסמנומ ז ווווב.	X Standard	Project Name:	Donner AUH State #1	Project #:	30-025-34860	Project Manager:	Robert Asher		Sampler:	On Ice:	Sample Temp	Container Type and #	1 - 402.										Q.	Regelived by: MMOLACY	Received by {	
Chain-of-Custody Record	Inc.		105 S. Fourth Street	Artesia, NM 88210	-4217	ces.com		Level 4 (Full Validation)				Sample Request ID	SP2-A.											AQU .	ed by:	If necessary, samples submitted to Hall Environmental may be subcontracted to
Cus	ources,		105 S. F	Artesia,	575-748-4217	@eogr				D Other		Matrix	Soil											Relinquished by:	Relinquished by:	nples subn
ain-of-	EOG Resources, Inc.						age:	5	:u:		pe)	Time	10:04 AM											Time: F	Time:	f necessary, sai
	Slient:		Mailing Address:		² hone #:	smail: Robert	2A/QC Package:	X Standard	Accreditation:	J NELAP	I EDD (Type)	Date	12/20/2016											Date: 12/20/2016	Date:	



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

January 03, 2017

Robert Asher EOG Resources 105 South Fourth Street Artesia, NM 88210 TEL: (575) 748-4111 FAX

RE: Donner AUH State #1

OrderNo.: 1612C81

Dear Robert Asher:

Hall Environmental Analysis Laboratory received 1 sample(s) on 12/22/2016 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 <u>www.hallenvironmental.com</u> 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,

and

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report Lab Order 1612C81 Date Reported: 1/3/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Resources Client Sample ID: SP2-A Project: Donner AUH State #1 Collection Date: 12/20/2016 10:09:00 AM Lab ID: 1612C81-001 Matrix: SOIL Received Date: 12/22/2016 9:40:00 AM Analyses Result POL Qual Units DF Date Analyzed Batch

Finaryses	Kesuit		al Units	Dr	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL R/	ANGE ORGANIC	S			Analy	st: TOM
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	12/29/2016 12:22:38	PM 29438
Surr: DNOP	99.6	70-130	%Rec	1	12/29/2016 12:22:38	PM 29438
EPA METHOD 8015D: GASOLINE F	RANGE				Analy	st: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	12/27/2016 9:49:07 F	M 29391
Surr: BFB	99.0	68.3-144	%Rec	1	12/27/2016 9:49:07 F	M 29391
EPA METHOD 8021B: VOLATILES					Analy	st: NSB
Methyl tert-butyl ether (MTBE)	ND	0.096	mg/Kg	1	12/27/2016 9:49:07 F	M 29391
Benzene	ND	0.024	mg/Kg	1	12/27/2016 9:49:07 F	M 29391
Toluene	ND	0.048	mg/Kg	1	12/27/2016 9:49:07 F	M 29391
Ethylbenzene	ND	0.048	mg/Kg	1	12/27/2016 9:49:07 F	M 29391
Xylenes, Total	ND	0.096	mg/Kg	1	12/27/2016 9:49:07 F	M 29391
Surr: 4-Bromofluorobenzene	112	80-120	%Rec	1	12/27/2016 9:49:07 F	°M 29391

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 1 of 4
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Sample ID LCS-29438	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batch	ID: 294	438	F	RunNo: 3	9713				
Prep Date: 12/28/2016	Analysis D	ate: 12	2/29/2016	S	SeqNo: 1	244632	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	100	63.8	116			
Surr: DNOP	5.1		5.000		102	70	130			
					102	10	100			
Sample ID MB-29438	SampT	ype: ME		Tes			8015M/D: Di	esel Range	e Organics	
Sample ID MB-29438 Client ID: PBS	1000 1000 1000 1000	ype: ME	BLK			PA Method		esel Range	e Organics	
	1000 1000 1000 1000	n ID: 294	3LK 438	F	tCode: El	PA Method 9713		_	e Organics	
Client ID: PBS	Batch	n ID: 294	BLK 438 2/29/2016	F	tCode: El RunNo: 3 SeqNo: 1	PA Method 9713	8015M/D: Die	_	e Organics	Qual
Client ID: PBS Prep Date: 12/28/2016	Batch Analysis D	ID: 294 ate: 12	BLK 438 2/29/2016	F	tCode: El RunNo: 3 SeqNo: 1	PA Method 9713 244633	8015M/D: Die Units: mg/K	(g		Qual

Qualifiers:

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

Page 2 of 4

03-Jan-17

WO#: 1612C81

Batch ID: 29391

WO#: 1612C81

03-Jan-17

Qual

Page 3 of 4

EOG Resources

Client:

Client ID: LCSS

Project: Donner	AUH State	#1							
Sample ID MB-29391	SampT	ype: ME	BLK	Test	Code: El	PA Method	8015D: Gaso	line Rang	e
Client ID: PBS	Batch	1 ID: 29	391	R	unNo: 3	9665			
Prep Date: 12/23/2016	Analysis D	ate: 12	2/27/2016	s	eqNo: 1	242742	Units: mg/K	⟨g ∞	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit
Gasoline Range Organics (GRO)	ND	5.0				till fall manner af an ann an Laine			
Surr: BFB	950		1000		94.8	68.3	144		
Sample ID LCS-29391	SampT	ype: LC	s	Test	Code: El	PA Method	8015D: Gase	oline Rang	e

Prep Date: 12/23/2016	Analysis [Date: 12	2/27/2016	5	SeqNo: 1	242743	Units: mg/M	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	103	74.6	123	artis () produce (documento do provido		
Surr: BFB	1000		1000		99.6	68.3	144			

RunNo: 39665

Qualifiers:

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

EOG Resources

Project: Donner AUH State #1

Client:

Sample ID MB-29391	SampT	ype: ME	BLK	Tes	Code: El	PA Method	8021B: Volat	iles	ale inseration in a second and a second	nanna an an an an Anna
Client ID: PBS	Batch	n ID: 29	391	F	tunNo: 3	9665				
Prep Date: 12/23/2016	Analysis D	ate: 12	2/27/2016	S	eqNo: 1	242788	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	0.10								
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		109	80	120			
Sample ID LCS-29391	SampT	ype: LC	S	Tes	tCode: E	PA Method	8021B: Volat	tiles		
Client ID: LCSS	Batch	n ID: 29	391	E	RunNo: 3	9665				
Prep Date: 12/23/2016	Analysis E)ate: 12	2/27/2016	S	SeqNo: 1	242789	Units: mg/K	ζg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	0.90	0.10	1.000	0	90.1	65.7	116			
Benzene	1.0	0.025	1.000	0	103	75.2	115			
Toluene	0.96	0.050	1.000	0	96.4	80.7	112			
Ethylbenzene	0.94	0.050	1.000	0	93.6	78.9	117			
Xylenes, Total	2.8	0.10	3.000	0	94.4	79.2	115			
Surr: 4-Bromofluorobenzene	1.1		1.000		110	80	120			

Qualifiers:

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

WO#: 1612C81

03-Jan-17

Page 4 of 4

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Client Name: EOG/Yates Work Order Number:	1612C81		ReptNo: 1	
Received by/date: 12 22 14				
Logged By: Lindsey Aragun 12/22/2016 9:40:00 AN Completed By: Lindsey Aragon 12/23/16	1			
Reviewed By: 1-AR 12-123/10				
Chain of Custody				
1. Custody seals intact on sample bottles?	Yes 🗌	No 🗆	Not Present 🗹	
2. Is Chain of Custody complete?	Yes 🗹	No 🗌	Not Present	
3. How was the sample delivered?	Courier			
Log In				
4. Was an attempt made to cool the samples?	Yes 🗹	No 🗌	NA 🗌	
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes 🗹	No 🗌		
6. Sample(s) in proper container(s)?	Yes 🗹	No 🗌		
7, Sufficient sample volume for indicated test(s)?	Yes 🗹	No 🗆		
8. Are samples (except VOA and ONG) properly preserved?	Yes 🗹	No 🗆		
9. Was preservative added to bottles?	Yes	No 🗹	NA 🗆	
	Yes	No 🗌	No VOA Vials 🗹	
10. VOA vials have zero headspace?	Yes	No 🗹 🛛		
11. Were any sample containers received broken?	100		# of preserved bottles checked	
12. Does paperwork match bottle labels?	Yes 🗹	No 🗌	for pH:	>12 unless noted)
(Note discrepancies on chain of custody)			Adjusted?	, 12 dillood ilotot,
13. Are matrices correctly identified on Chain of Custody?	Yes ☑ Yes ☑			
14. Is it clear what analyses were requested?	Yes 🗹		Checked by:	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	163 [2]	[
Special Handling (if applicable)	_			
16. Was client notified of all discrepancies with this order?	Yes 🗌	No 🗌	NA 🗹	1
Person Notified: Date	2. C.			
By Whom: Via:	🗌 eMail 📋	Phone 🗌 Fax	In Person	
Regarding:	A STRUCTURE OF ADDRESS OF ADDRESS OF AD	The second state of the second state of the	annaitheann, Thuman a thank ann a said	
Client Instructions:				
17. Additional remarks:				
18. Cooler Information	j		ĩ	
Cooler No Temp C Condition Seal Intact Seal No	Seal Date	Signed By	-	
1 1.8 Good Yes			1	

HALL ENVIRONMENTAL	ANALYSIS LABORATORY	tal.com	4901 Hawkins NE - Albuquerque, NM 87109	Fax 505-345-4107	est					·····	-im	V) 80828 8270 (Sei 8270 (Sei								Remarks: Please put chloride results on separate report. Analytical Results by 1/6/2017.		ated on the analytical report.
VIR	IS L	www.hallenvironmental.com	ndnergu	ax 505	Analysis Request							1) znoinA 2991 Pes	×				 	 2	 	 results o		e clearly not
E	<u>Υ</u> S	allenv	- Alb		ialysi						-	18 ARDR			 			 	 	2017.		a will be
	AL	ww.ha	R	Tel. 505-345-3975	Ar						-	EDB (Met 8310 (PN			 	_	 			 Remarks: Please put chloride Analytical Results by 1/6/2017		sted dat
E A	AN	ş	vkins	-345-								HQT (Met			 			 	 	 se pu ults b		contrac
			1 Hav	. 505		əsə	iQ\s	e9)		-	-	II-PH Wett	×	-			 	 		 Plea		ny sub-
			490	Tel						-		BTEX + N	94 - Ku							larks: lytica		oility. A
							208)	sia	MT -	36	9 1)	N + XƏTR	×							Rem Anal		s possil
	X Standard 🗆 Rush	Project Name:	Donner AUH State #1	Project #:	30-025-34860	Project Manager:	Robert Asher		Sampler: Same	Temnerature: (Container Preservative HEAL No. Type and # Type 12.00	1-4oz. Ice - UP (by: Date Out Orderson 12/22/14	σ	f noncessary semiles 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.
Chain-of-Custody Record	EOG Resources, Inc.		ddress: 105 S. Fourth Street	Artesia NM 88210	675-748-4217	mail: Robert Asher@eogresources.com	ckage:	ard Level 4 (Full Validation)			lype)	Time Matrix Sample Request ID	a 10:09 AM Soil SP2-A							Time: Relinquished by:	Time: Relinquished by:	if managed semilar submitted to Hall Environmental may be su
()	Xlent:		Aailing Address:		2hone #	mail: Ro	2A/QC Package:	X Standard	Accreditation:	L NELAP		Date	12/20/2016							Date: 12/20/2016	Date:	



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

January 03, 2017

Robert Asher EOG Resources 105 South Fourth Street Artesia, NM 88210 TEL: (575) 748-4111 FAX

RE: Donner AUH State #1

OrderNo.: 1612C81

Dear Robert Asher:

Hall Environmental Analysis Laboratory received 1 sample(s) on 12/22/2016 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accreditedtests please go to <u>www.hallenvironmental.com</u> 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,

andial

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Anal	ysis Labora	tory, Inc.			Lab Order 1612C81 Date Reported: 1/3/2	017
CLIENT: EOG Resources			Client Samp	le ID: SP	2-A	
Project: Donner AUH State #1			Collection	Date: 12	/20/2016 10:09:00 A	M
Lab ID: 1612C81-001	Matrix:	SOIL	Received	Date: 12	/22/2016 9:40:00 Al	M
Analyses	Result	PQL Qua	l Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Anal	yst: LGT
Chloride	230	30	mg/Kg	20	12/30/2016 12:09:51	PM 29482

Ref ata and preservation information.

Refe	r to th	e QC Summary report and sample login checklis	st for flag	ged QC da
Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte de
	D	Sample Diluted Due to Matrix	Е	Value abov
	Н	Holding times for preparation or analysis exceeded	J	Analyte de
	ND	Not Detected at the Reporting Limit	Р	Sample pH

- RPD outside accepted recovery limits R
- S % Recovery outside of range due to dilution or matrix
- etected in the associated Method Blank
- ove quantitation range
- etected below quantitation limits Page 1 of 2

Analytical Report

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

Client: EOG Resources Project: Donner AUH State #1

Sample ID MB-29482	SampType: MBLK	TestCode: EPA Method		
Client ID: PBS	Batch ID: 29482	RunNo: 39774		
Prep Date: 12/30/2016	Analysis Date: 12/30/2016	SeqNo: 1246699	Units: mg/Kg	
Analyte	Result PQL SPK value S	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	ND 1.5			
Sample ID LCS-29482	SampType: LCS	TestCode: EPA Method	300.0: Anions	
Sample ID LCS-29482 Client ID: LCSS	SampType: LCS Batch ID: 29482	TestCode: EPA Method RunNo: 39774	300.0: Anions	
			300.0: Anions Units: mg/Kg	
Client ID: LCSS	Batch ID: 29482	RunNo: 39774 SeqNo: 1246700		RPDLimit Qual

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 2 of 2

WO#: 1612C81 03-Jan-17

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Client Name: EOG/Yates W	ork Order Number: 16120	C81	RcptNo	. 1
Received by/date: 7 a 12 22 14				
Logged By: Lindsey Aragun 121	22/2016 9:40:00 AM			
Completed By: Lindbey Aragon	12/23/16			
Reviewed By:	172/10			
	[en) 0			
Chain of Custody	Yes	N₀ [Not Present	
 Custody seals intact on sample bottles? Is Chain of Custody complete? 		No [Not Present	Ļ
	Cou			
How was the sample delivered?				
Log In			-	7
4. Was an attempt made to cool the samples?	Ye	s 🗹 No		
		— [1
5. Were all samples received at a temperature of	>0° C to 6.0°C Yes	No l		I
6. Sample(s) in proper container(s)?	Ye	s 🗹 No		
7. Sufficient sample volume for indicated test(s)?	Ye	s 🗹 No		
8. Are samples (except VOA and ONG) properly p	preserved? Ye	s 🗹 No		
9. Was preservative added to bottles?	Ye	s 🗌 No	V NA D]
		—	No VOA Vials	
10.VOA vials have zero headspace?				
11. Were any sample containers received broken?	Ye		# of preserved bottles checked	
12. Does paperwork match bottle labels?	Ye	es 🗹 No	for pH:	<2 or >12 unless noted)
(Note discrepancies on chain of custody)	vatadu/2 Ve	es 🗹 No		
13. Are matrices correctly identified on Chain of C 14. Is it clear what analyses were requested?	uslodyr Ye			
15. Were all holding times able to be met?	Ye	es 🗹 No	Checked t	ру:
(If no, notify customer for authorization.)				
Special Handling (if applicable)			□ NA	
16. Was client notified of all discrepancies with th	is order? Y	es 🗌 No	□ NA	
Person Notified:	Date	ann a se lugar a tha Ann an Ann a		
By Whom:	Via:	eMail 🔲 Phone 🗌] Fax [] In Person	-
Regarding:	an ann an an an an an an an an an ann an a	s its man and a little state in the little state of the second	an ann an Statemark (Statemark (1993) ann an Statemark (1993)	
Client Instructions:				
17. Additional remarks:				
18. Cooler Information			Du I	
Cooler No Temp ⁰C Condition Se 1 1.8 Good Yes	al Intact Seal No Sea	al Date Signed		
	· · · · · · · · ·			

HALL ENVIRONMENTAL	ANALYSIS LABORATORY		109		-				or N)	s (۲	Air Bubble:								Bornerice: Blosse mit chloride results on senarate report.	-	
Z	R	E	4901 Hawkins NE - Albuquerque, NM 87109	Fax 505-345-4107					(∀(-\C	mə2) 0728										q
NO	B	tal.co	le, N	-345	est						0V) 80928								- us u		
IR		nemr	nerqu	505	sequ						itee9 1808	atoria	 	 		 	 4				
NV.	SIS	iviror	Ibndl	Fax	sis F	*OS	°''0	Ч,sC			M 8 AADA	×	 			 	 			7.	
Ш	×	www.hallenvironmental.com	4	ы С	Analysis Request					-	AN9) 0168		 	 		 	 +			6/201	
ļ	IAI	ww.}	IS NE	5-397							EDB (Weth		 	 		 	 +			by 1/	
T	A	5	awkin	Tel. 505-345-3975					****		TPH (Meth			 						Analytical Results by 1/6/2017.	
			01 H	el. 50		əsə	id\s	e9)	8910	8 pc	TPH Meth	×	 							al Rei	
			49(Ĕ							rm + Xəta										
) [_] 					(];	208)	S S	MT +	381	RTEX + M	×				 	 	_	0		
	X Standard 🛛 Rush	Project Name:	ner AUH State #1	Project #:	30-025-34860	Project Manager:	Robert Asher		Sampler: Same On Ice: DX Yes: D No	Temp	Container Preservative HEAL No. Type and # Type 100	1-402. Ice							Data Time	on Oranon 12/22/1	ived by Date Time
	×	Proj	<u>6</u>	Proj	30-0	Proj	Rob		Sample On Ice:	Sample	٥'n			 	8	 	 			MUTCH	Received
Chain-of-Custody Record	s, Inc.		105 S. Fourth Street	Artesia, NM 88210	575-748-4217	amail: Robert_Asher@eogresources.com		Level 4 (Full Validation)	Ta		Sample Request ID	SP2-A								Relinquishesby:	Relinquished by:
ů Ö	ource		105 S.	Artesia	575-74	Geoc			n Other		Matrix	Soil								Relinqu	Relinqu
ain-of-	EOG Resources, Inc.					vert_Asher	kage:	q			ime	10:09 AM								Time: 1:30 PM	Time:
Сh	Xlient:		Aalling Address:		2hone #:	small: Rob	2A/QC Package:	X Standard	Accreditation:	I EDD (Type)		12/20/2016								Date: 12/20/2016	Date:

5 lity. Any sup and sin 5 â If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

January 03, 2017

Robert Asher EOG Resources 105 South Fourth Street Artesia, NM 88210 TEL: (575) 748-4111 FAX

RE: Donner AUH State #1

OrderNo.: 1612C78

Dear Robert Asher:

Hall Environmental Analysis Laboratory received 1 sample(s) on 12/22/2016 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 <u>www.hallenvironmental.com</u> 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,

andel

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report
Lab Order 1612C78

Date Reported: 1/3/2017

Hall Environmental Analysis Laboratory, Inc.

EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS	3			Analy	st: TOM
Analyses	Result	PQL	Qual	Units	DF Date Analyzed	Batch
Lab ID: 1612C78-001	Matrix:	SOIL		Received	Date: 12/22/2016 9:40:00 AM	M
Project: Donner AUH State #1				Collection	Date: 12/20/2016 10:15:00 A	M
CLIENT: EOG Resources			C	lient Samp	le ID: SP2-A.	

El Atmention of Iomin. Diedee Iomioe e	in Oranio				Analyst. IOW
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	12/29/2016 10:34:42 AM 29423
Surr: DNOP	95.1	70-130	%Rec	1	12/29/2016 10:34:42 AM 29423
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	12/27/2016 9:02:08 PM 29391
Surr: BFB	100	68.3-144	%Rec	1	12/27/2016 9:02:08 PM 29391
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Methyl tert-butyl ether (MTBE)	ND	0.096	mg/Kg	1	12/27/2016 9:02:08 PM 29391
Benzene	ND	0.024	mg/Kg	1	12/27/2016 9:02:08 PM 29391
Toluene	ND	0.048	mg/Kg	1	12/27/2016 9:02:08 PM 29391
Ethylbenzene	ND	0.048	mg/Kg	1	12/27/2016 9:02:08 PM 29391
Xylenes, Total	ND	0.096	mg/Kg	1	12/27/2016 9:02:08 PM 29391
Surr: 4-Bromofluorobenzene	114	80-120	%Rec	1	12/27/2016 9:02:08 PM 29391

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

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*

- 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
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 1 of 4 J
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Client: EOG Resources

Project: Donner AUH State #1

Sample ID LCS-29423	TestCode: EPA Method 8015M/D: Diesel Range Organics										
Client ID: LCSS	Batch	ID: 294	423	F	RunNo: 39712						
Prep Date: 12/28/2016	Analysis D	ate: 12	2/29/2016	S	SeqNo: 1244401 Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	44	10	50.00	0	88.6	63.8	116				
Surr: DNOP	4.6		5.000		92.7	70	130				
Sample ID MB-29423	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics		
Client ID: PBS	Batch	n ID: 294	423	RunNo: 39712							
Prep Date: 12/28/2016	Analysis D	ate: 12	2/29/2016	5	SeqNo: 1	244402	Units: mg/K	g			
					~~~~~						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Analyte Diesel Range Organics (DRO)	Result ND	PQL 10	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	

#### 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
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- 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 2 of 4

WO#: 1612C78 03-Jan-17

#### **Client:** EOG Resources **Project:** Donner AUH State #1

Qual
Qual
Qual

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- D Sample Diluted Due to Matrix
- Н 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 S
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Page 3 of 4

. :

03-Jan-17

WO#: 1612C78

Client: EOG Resources Project: Donner AUH State #1

Sample ID MB-29391	SampT	ype: ME	BLK	Tes	tCode: El	n ner han den sen en skeden sind in merstels.				
Client ID: PBS	Batcl	n ID: 293	391	F						
Prep Date: 12/23/2016	Analysis D	Date: 12	2/27/2016	S	SeqNo: 1	242788	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	0.10								
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
reported total										
Surr: 4-Bromofluorobenzene	1.1		1.000		109	80	120			
The second secon	1.1	ype: LC		Tes			120 8021B: Volat	iles		
Surr: 4-Bromofluorobenzene	1.1 SampT		S			PA Method		iles		
Surr: 4-Bromofluorobenzene Sample ID LCS-29391	1.1 SampT	Type: LC	S 391	F	tCode: El	PA Method 9665				
Surr: 4-Bromofluorobenzene Sample ID LCS-29391 Client ID: LCSS	1.1 SampT Batcl	Type: LC	S 391 2/27/2016	F	tCode: El RunNo: 3	PA Method 9665	8021B: Volat		RPDLimit	Qual
Surr: 4-Bromofluorobenzene Sample ID LCS-29391 Client ID: LCSS Prep Date: 12/23/2016	1.1 SampT Batcl Analysis [	Type: LC h ID: 29: Date: 12	S 391 2/27/2016	F	tCode: El RunNo: 3 SeqNo: 1	PA Method 9665 242789	8021B: Volat Units: mg/K	g	RPDLimit	Qual
Surr: 4-Bromofluorobenzene Sample ID LCS-29391 Client ID: LCSS Prep Date: 12/23/2016 Analyte	1.1 SampT Batcl Analysis I Result	∑ype: LC h ID: 29: Date: 12 PQL	S 391 2/27/2016 SPK value	F S SPK Ref Val	tCode: El RunNo: 3 SeqNo: 1 %REC	PA Method 9665 242789 LowLimit	8021B: Volat Units: mg/K HighLimit	g	RPDLimit	Qual
Surr: 4-Bromofluorobenzene Sample ID LCS-29391 Client ID: LCSS Prep Date: 12/23/2016 Analyte Methyl tert-butyl ether (MTBE)	1.1 SampT Batcl Analysis E Result 0.90	Fype: LC h ID: 29 Date: 12 PQL 0.10	S 391 2/27/2016 SPK value 1.000	F S SPK Ref Val 0	tCode: El RunNo: 3 SeqNo: 1 %REC 90.1	PA Method 9665 242789 LowLimit 65.7	8021B: Volat Units: mg/K HighLimit 116	g	RPDLimit	Qual
Surr: 4-Bromofluorobenzene Sample ID LCS-29391 Client ID: LCSS Prep Date: 12/23/2016 Analyte Methyl tert-butyl ether (MTBE) Benzene Toluene	1.1 SampT Batcl Analysis E Result 0.90 1.0	Type: LC h ID: 29: Date: 12 PQL 0.10 0.025	S 391 2/27/2016 SPK value 1.000 1.000	F S SPK Ref Val 0 0	tCode: El RunNo: 3 SeqNo: 1 %REC 90.1 103	PA Method 9665 242789 LowLimit 65.7 75.2	8021B: Volat Units: mg/K HighLimit 116 115	g	RPDLimit	Qual
Surr: 4-Bromofluorobenzene Sample ID LCS-29391 Client ID: LCSS Prep Date: 12/23/2016 Analyte Methyl tert-butyl ether (MTBE) Benzene	1.1 SampT Batcl Analysis E Result 0.90 1.0 0.96	Fype: LC h ID: 29: Date: 12 PQL 0.10 0.025 0.050	S 391 2/27/2016 SPK value 1.000 1.000 1.000	F S SPK Ref Val 0 0 0	tCode: El RunNo: 3 SeqNo: 1 %REC 90.1 103 96.4	PA Method 9665 242789 LowLimit 65.7 75.2 80.7	8021B: Volat Units: mg/K HighLimit 116 115 112	g	RPDLimit	Qual

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

03-Jan-17

1612C78

WO#:

Page 4 of 4

#### HALL ENVIRONMENTAL ANAŁYSIS LABORATORY

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

Client Name: EOG/Yates Work	Order Number: 1612C78		RcptNo:	1 .
Received by/date: 0 12 22/16				
Logged By: Lindley Aragun 12/22/20	16 9:40:00 AM			
Completed By: Lindsey Aragun 12/-	23/16 1			
Reviewed By:	12/23/110			
Chain of Custody		785		
<ol> <li>Custody seals intact on sample bottles?</li> </ol>	Yes	No 🗆	Not Present 🗹	
2. is Chain of Custody complete?	Yes 🗹	No 🗔	Not Present	
3. How was the sample delivered?	Courier			
<u>Log In</u>				
4. Was an attempt made to cool the samples?	Yes 🗹	No 🗆	na 🗆	
5. Were all samples received at a temperature of >0° C	to 6.0°C Yes 🗹	No 🗌	NA 🗍	
6. Sample(s) in proper container(s)?	Yes 🗹	No 🗌		
7. Sufficient sample volume for indicated test(s)?	Yes 🗹	No 🗆		
8. Are samples (except VOA and ONG) properly preser	ved? Yes 🗹	No 🗆		
9. Was preservative added to bottles?	Yes 🗌	No 🗹	NA 🗌	
10.VOA vials have zero headspace?	· Yes 🗌	No 🗆	No VOA Vials 🗹	
11. Were any sample containers received broken?	Yes 🗆	No 🗹	# of preserved bottles checked	
12. Does paperwork match bottle labels?	Yes 🗹	No 🗆	for pH:	or >12 unless noted)
(Note discrepancies on chain of custody)	?Yes 🗹	No 🗆	Adjusted?	a >12 unless hoted)
13. Are matrices correctly identified on Chain of Custody	Yes ☑ Yes ☑			
<ol> <li>14. Is it clear what analyses were requested?</li> <li>15. Were all holding times able to be met?</li> </ol>	Yes 🗹		Checked by:	
(If no, notify customer for authorization.)				
Special Handling (if applicable)				
16. Was client notified of all discrepancies with this order	r? Yes 🗌	No 🗆	NA 🔽	
Person Notified:	Date	matumna forska a da a	uning and a second second	٦
By Whom:		Phone Fax	In Person	
Regarding:				
Client Instructions:	алан анала (Каканан Алан алан алан алан алан алан бай бай бай бай алан алан ал	and and an an an and a start of the start of t	aran an a	
17. Additional remarks:		ana ana ang ang ang ang ang ang ang ang		-
18. <u>Cooler Information</u>				
	t Seal No Seal Date	Signed By	4	
1 1.8 Good Yes	1	· · · · · · · · · · · · · ·	1	
<u> </u>				

<b>JA</b>	ORY	··· :''	17.5					(	Or N	۲) e	Air Bubble:												ort.	renot
HALL ENVIRONMENTAL	ANALYSIS LABORATORY		4901 Hawkins NE - Albuquerque, NM 87109	07						<u> </u>	mə2) 0728					,				+			Remarks: Please put chloride results on separate report. Analytical Results by 1/6/2017.	tennet
Z	Ö	Com	MN	15-41						1997 - 1997 - 1997 1997 - 1997 - 1997	OV) 80928	-	_	-+	-	-+	-	_		_			separ	t co t
ō	AB	ental	due,	505-345-4107	Ines	S	ьсв	280	)8 / S		biteeq 1808		-+	-+	_					+	_		uo s	and a feature
	2 S	onme	Iduer	Fax 5(	Kec						,	×			-		_	$\neg$				+	esult	of control of the second se
2	IS	envir	Albu	ш	Analysis Koquest	(,,,,,)					RCRA 8 Md								1				ide n 017.	La
ي إحد	5	www.hallenvironmental.com	Ц	975	Ana				(H∀c	ot	AVI9) 01:68												chlor 1/6/2	4444
AL	NA	www	ins N	Tel. 505-345-3975							EDB (Meth												Remarks: Please put chloride r Analytical Results by 1/6/2017.	
	4		ławk	05-3							TPH (Meth									_			lease	Ļ
		A LUNCTU	901 F	el. 5		1213-6	41.11.12	1. 150			TPH Metho	×								_	_		cal R	i
			4								TM + XJT8	t is is							_	$\rightarrow$	_		nalyti	
				·		112	(08) s	181 T	<u>й</u> Г.+	98. 	rm + Xəta	×												
									⊡ No		HEAL NG. [0:12.C7.6	100-			6								Date Time [22/22/[[0 0940	
lime:	🗆 Rush		State #1			ger:			Same X Yes	emperature: ). 8	Preservative Type	lce											Concha	
Turn-Around Time:	X Standard	Project Name:	Donner AUH State #1	Project #:	30-025-34860	Project Manager:	Robert Asher		Sampler: On Ice:		Container Type and #	1 - 4oz.		-									Received by:	Received by(
Chain-of-Custody Record	Inc.		105 S. Fourth Street	Artesia, NM 88210	8-4217	Asher@eogresources.com		Level 4 (ruii valiuauoli)			Sample Request ID	SP2-A											shed by:	
-Cus	sources,		105 S. I	Artesia,	575-748-4217	sr@eogr			□ Other		Matrix	Soil											Relinqui	Relinqu
ain-oi	EOG Resources, Inc.		ress:				age:		:4	'be)	Time	10:15 AM											Time: 1:38 PM	Time:
Ch	lient:		failing Address:		hone #:	mail: Robert	NA/QC Package:	<ul> <li>Standard</li> </ul>	vccreditation:		Date	12/20/2016											Jate: 12/20/2016	Jate:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contract



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

January 03, 2017

Robert Asher EOG Resources 105 South Fourth Street Artesia, NM 88210 TEL: (575) 748-4111 FAX

RE: Donner AUH State #1

OrderNo.: 1612C78

Dear Robert Asher:

Hall Environmental Analysis Laboratory received 1 sample(s) on 12/22/2016 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 <u>www.hallenvironmental.com</u> 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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Envir	conmental Analysis	Laborat	ory, Inc.		Date Reported: 1/3/2017					
CLIENT: Project:	EOG Resources Donner AUH State #1				Lab Order:	16120	078			
Lab ID: Client Sample	1612C78-001 ID: SP2-A.				ate: 12/20/2016 trix: SOIL	10:15:00	AM			
Analyses		Result	PQL Qua	al Units	DF Date An	alyzed	Batch ID			
EPA METHOD Chloride	300.0: ANIONS	250	30	mg/Kg	20 12/30/20		alyst: <b>LGT</b> 22 AM 29482			

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RPD outside accepted recovery limits R
- S % Recovery outside of range due to dilution or matrix
- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits Page 1 of 2

**Analytical Report** Lab Order: 1612C78

- Р Sample pH Not In Range
- **Reporting Detection Limit** RL
- W Sample container temperature is out of limit as specified
## **QC SUMMARY REPORT**

Hall E	nvironmental	Analysis	Laborat	tory, Inc.	

WO#: 1612C78

Page 2 of 2

03-Jan-17

**Client:** EOG Resources **Project:** Donner AUH State #1 Sample ID MB-29482 SampType: MBLK TestCode: EPA Method 300.0: Anions Client ID: PBS Batch ID: 29482 RunNo: 39774 Prep Date: 12/30/2016 Analysis Date: 12/30/2016 SeqNo: 1246699 Units: mg/Kg SPK value SPK Ref Val %REC LowLimit Analyte Result PQL HighLimit %RPD RPDLimit Qual Chloride ND 1.5 Sample ID LCS-29482 SampType: LCS TestCode: EPA Method 300.0: Anions Client ID: LCSS Batch ID: 29482 RunNo: 39774 Prep Date: 12/30/2016 Analysis Date: 12/30/2016 SeqNo: 1246700 Units: mg/Kg Analyte SPK value SPK Ref Val %REC %RPD RPDLimit HighLimit Qual

0

15.00

Result PQL Chloride 14 1.5

LowLimit 93.7 90 110

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- D Sample Diluted Due to Matrix

1

- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RPD outside accepted recovery limits R
- S % Recovery outside of range due to dilution or matrix
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

ENVIRONMENTAL ANALYSIS LABORATORY	Environmental Analysis Laboratory 4901 Hawkins Nl Albuquerque, NM 87109 505-345-3975 FAX: 505-345-4107 ebsite: www.hallenvironmental.con	Sam	ple Log-In Ch	eck List
Client Name: EOG/Yates Work O	order Number: 1612C78		RcptNo: 1	
Received by/date: <u>12</u> 12 22 16 Logged By: Lindfey Aragun 12/22/201	16 9:40:00 AM			
	-3/16 1			
Completed By: Linds-ey Aragun 12/2 Reviewed By:	12/23/4			
Chain of Custody	1 1 2			
1, Custody seals intact on sample bottles?	Yes	No 🗌	Not Present 🗹	
2. Is Chain of Custody complete?	Yes 🗹	No 🗌	Not Present	
3. How was the sample delivered?	Courier			
Log In	_		_	
4. Was an attempt made to cool the samples?	Yes 🗹	No 🗌	NA 🗌	
5. Were all samples received at a temperature of >0° C	to 6.0°C Yes 🗹	No 🗌		
6. Sample(s) in proper container(s)?	Yes 🗹	No 🗆		
7. Sufficient sample volume for indicated test(s)?	Yes 🗹	No 🗆		
8. Are samples (except VOA and ONG) properly preserve	ed? Yes 🗹	No 🗌		
9. Was preservative added to bottles?	Yes 🗌	No 🗹	NA 🗌	
10. VOA vials have zero headspace?	Yes	No 🗌	No VOA Vials 🗹	
11. Were any sample containers received broken?	Yes	No 🗹	# of preserved	and the second
		No 🗆	bottles checked for pH:	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes 🗹			>12 unless noted
13. Are matrices correctly identified on Chain of Custody?	Yes 🗹	No 🗆	Adjusted?	
14. Is it clear what analyses were requested?	Yes 🗹	No 🗆		
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes 🔽	No 🗌	Checked by:	
On a sight Handling (If any light had				
<u>Special Handling (if applicable)</u>	_			
16. Was client notified of all discrepancies with this order?	? Yes 🗆	No 🗆	NA 🗹	18
Person Notified:	Date	and a state of the second s		18
By Whom:	Via: 🗌 eMail 🗌 Ph	ione 🗌 Fax	In Person	
Regarding:				
Client Instructions:				

Signed By

Page 1 of 1

1

1.8

Cooler No Temp °C Condition Seal Intact Seal No Seal Date

Good

Yes



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

January 18, 2017

Robert Asher EOG Resources 105 South Fourth Street Artesia, NM 88210 TEL: (575) 748-4111 FAX

RE: Donner AUH State 1

OrderNo.: 1701491

Dear Robert Asher:

Hall Environmental Analysis Laboratory received 1 sample(s) on 1/12/2017 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 <u>www.hallenvironmental.com</u> 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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

#### Analytical Report Lab Order 1701491 Date Reported: 1/18/2017

## Hall Environmental Analysis Laboratory, Inc.

-----

# CLIENT: EOG Resources Client Sample ID: SW 01.0 Project: Donner AUH State 1 Collection Date: 1/10/2017 11:07:00 AM Lab ID: 1701491-001 Matrix: SOIL Received Date: 1/12/2017 9:35:00 AM Analyses Result POL Oual Units DF Date Analyzed Batch

Anaryses	Kesult	FQL Qu	ai Units	Dr	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANIC	s			Analyst	том
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	1/16/2017 1:41:07 PM	29674
Surr: DNOP	111	70-130	%Rec	1	1/16/2017 1:41:07 PM	29674
EPA METHOD 8015D: GASOLINE RA	ANGE				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	1/13/2017 8:22:04 PM	29660
Surr: BFB	89.0	68.3-144	%Rec	1	1/13/2017 8:22:04 PM	29660
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	1/13/2017 8:22:04 PM	29660
Toluene	ND	0.048	mg/Kg	1	1/13/2017 8:22:04 PM	29660
Ethylbenzene	ND	0.048	mg/Kg	1	1/13/2017 8:22:04 PM	29660
Xylenes, Total	ND	0.096	mg/Kg	1	1/13/2017 8:22:04 PM	29660
Surr: 4-Bromofluorobenzene	96.4	80-120	%Rec	1	1/13/2017 8:22:04 PM	29660

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
2	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Dags 1 of 4
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range Page 1 of 4
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

## **QC SUMMARY REPORT** Hall Environmental Analysis Laboratory, Inc.

EOG Resources

S % Recovery outside of range due to dilution or matrix

В	Analyte	detected	in	the	associated	Method	Blank
---	---------	----------	----	-----	------------	--------	-------

Е Value above quantitation range

- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL **Reporting Detection Limit**
- W Sample container temperature is out of limit as specified

Project: Donner	AUH State	1								
Sample ID MB-29674	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: PBS	Batch	ID: 29	674	F	RunNo: 4	0030				
Prep Date: 1/13/2017	Analysis D	ate: 1/	16/2017	S	SeqNo: 1	254788	Units: mg/K	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	10		10.00		105	70	130			
Sample ID LCS-29674	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: LCSS	Batch	ID: 29	674	F	RunNo: 4	0030				
Prep Date: 1/13/2017	Analysis D	ate: 1/	16/2017	5	SeqNo: 1	254824	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	87.6	63.8	116			
Surr: DNOP	5.5		5.000		109	70	130			

**Qualifiers:** 

**Client:** 

- * Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix D
- Holding times for preparation or analysis exceeded Н
- ND Not Detected at the Reporting Limit
- RPD outside accepted recovery limits R

1701491

18-Jan-17

WO#:

Page 2 of 4

## **QC SUMMARY REPORT** Hall Environmental Analysis Laboratory, Inc.

WO#: 1701491

Page 3 of 4

18-Jan-17

**Client:** EOG Resources **Project:** Donner AUH State 1 Sample ID MB-29660 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Client ID: PBS Batch ID: 29660 RunNo: 39999 Prep Date: 1/12/2017 Analysis Date: 1/13/2017 SeqNo: 1253665 Units: mg/Kg Analyte SPK value SPK Ref Val %REC Result PQL LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) ND 5.0 Surr: BFB 860 1000 86.4 68.3 144 Sample ID LCS-29660 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range Client ID: LCSS Batch ID: 29660 RunNo: 39999 Prep Date: 1/12/2017 Analysis Date: 1/13/2017 Units: mg/Kg SeqNo: 1253666 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 27 5.0 25.00 0 108 74.6 123 Surr: BFB 950 1000 94.7 68.3

**Qualifiers:** 

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

144

- Analyte detected below quantitation limits

## QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.	

WO#: 1701491

Page 4 of 4

18-Jan-17

**Client:** EOG Resources **Project:** Donner AUH State 1 Sample ID MB-29660 SampType: MBLK TestCode: EPA Method 8021B: Volatiles Client ID: PBS Batch ID: 29660 RunNo: 39999 Prep Date: 1/12/2017 Analysis Date: 1/13/2017 SeqNo: 1253686 Units: mg/Kg SPK value SPK Ref Val %REC LowLimit Analyte Result PQL HighLimit %RPD RPDLimit Qual Benzene ND 0.025 Toluene ND 0.050 Ethylbenzene 0.050 ND Xylenes, Total ND 0.10 Surr: 4-Bromofluorobenzene 0.95 1.000 94.9 120 80 Sample ID LCS-29660 SampType: LCS TestCode: EPA Method 8021B: Volatiles Client ID: LCSS Batch ID: 29660 RunNo: 39999 Prep Date: 1/12/2017 Analysis Date: 1/13/2017 SeqNo: 1253687 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Benzene 0.95 0.025 1.000 0 95.3 75.2 115 Toluene 0.97 0.050 1.000 0 96.7 80.7 112 Ethylbenzene 0.050 0.98 1.000 0 97.7 78.9 117 Xylenes, Total 2.9 3.000 0.10 0 97.9 79.2 115 Surr: 4-Bromofluorobenzene 0.99 1.000 99.2 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
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

#### HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

## Sample Log-In Check List

Client Name:	EOG/Yates		Work (	Order Numb	er: 170149	1		Rcp	tNo: 1	
Received by/date	e RE		01/1.	2/17				• • • • • • •		8° 8
Logged By:	Ashley Galle	gos	1/12/201	7 9:45:00 A	м		AZ			
Completed By:	Ashley Galle	gos	1/12/201	7 1:07:30 P	м		A			
Reviewed By:	AX.	a 19. 100	01/1z	117			- 0		• • • • • •	
Chain of Cus	tody									
1. Custody sea		-			Yes İ	}	No	Not Present		
2. Is Chain of C	Custody complet	te?			Yes	2	No []]	Not Present	ίΙ	
3. How was the	e sample deliver	red?			Courier	ſ	12			
<u>Log In</u>										
4. Was an atte	empt made to co	ool the sample	s?		Yes 🛛		No [_]	NA	[_]	
5. Were all san	nples received a	at a temperatu	re of >0° C	to 6.0°C	Yes 🕅	3	No 🗋	NA	[]]	
6. Sample(s) ir	n proper contain	ier(s)?			Yes		No []			
7. Sufficient sa	mple volume fo	r indicated tes	t(s)?		Yes	2	No []			
8. Are samples	except VOA a	nd ONG) prop	erly preserve	ed?	Yes	1	No []]			
9. Was preserv	ative added to t	bottles?			Yes	<u> </u>	No 🔽	NA	[_]	
10.VOA vials ha	ave zero headsp	bace?			Yes [	]	No []]	No VOA Vials		
11. Were any sa	ample container	s received bro	ken?		Yes [	_]	No 🗹			
10						14471		# of preserved bottles checke		
12. Does paperw (Note discret	work match bottl pancies on chai				Yes N		No	for pH:	10000	2 unless noted)
13. Are matrices			of Custodv?		Yes	1	No []]	Adjusted		12 Unices noted)
14. Is it clear wh			t,		Yes	13	No 📋	2.000		
15. Were all hold (If no, notify)	ding times able t customer for au				Yes 🕅	7	No []]	Checked	by:	
Special Hand	lling (if annli	icabla								
16. Was client n			h this order?		Yes [	]	No []	NA		
Person	Notified:	SKO. R.D. W. THIN W. ANALOW M. DOCUMENTAL IN	BOKTA BUANGUIG MADURA	Date			Truckord Managery			
By Wh	1 31220	ingeneration and the second	an a	, Via:	I eMail		none [] Fax	In Person		
Regard	ding:	NELSECTION ACCOUNTS AND		ana sa kana kana kana kana kana kana kan	TANCISCO DE LA COMPANIA DE LA COMPA		antimetric and the second		ANGA'	
Client	Instructions:	ШНШнакованакалардарууу	Reithfornauthona sinn an airte	nd Hind Appendix and a state of the	an Index Constant of the second	5655 <b>7</b> 454983676	and and an and an	eira dhimintika a dha ta da mar curan curan curan a	andarif.	
17. Additional re	emarks:		anda da ana da				····· · ···· ·		. 1	
18. <u>Cooler Info</u>	rmation									
Cooler No	o   Temp ⁰C		Seal Intact	Seal No	Seal Date		Signed By	1		
<u> 1</u>	3.3 (	Good Y	es	I		]		]		
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E	S	nno	anbr	Fax 505-345-4107	s Re						(1:	) enoinA	×					 				sult	
N	IS	envii	Albu	Ŭ,	Analysis Request					S	lete	RCRA 8 M										de re 2017.	
	2	/.hall	ц	975	Ana				(н	٧d	orl	AN9) 0168		-								hlori 1/20/2	
HALL ENVIRONMENTAL	ANALYSIS LABORATORY	www.hallenvironmental.com	4901 Hawkins NE - Albuquerque, NM 87109	Tel. 505-345-3975					(1.	₽0 <u>9</u>	) po	Hather (Meth					8					Remarks: Please put chloride results on separate report. Analytical Results by 1/20/2017.	
I	<		awki	5-34			D C C C C C C C C C C C C C C C C C C C		(1)	811	7 pc	ntem) H9T		of classic in a data								ase suits	
<b>I</b> II	1		01 H	el. 50		əsə	1 <b>0</b> /s	(Gas	2B (	101	8 po	TPH Metho	×									:: Ple al Re	
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						(1	208)	) s.e	IMT	+	38.	IM + XƏT8	×									Ren Ana	
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										No No		HEAI 1-70.			10.07						24	Date []/2/[7	Date
auı	D Rush		State #1			er:	•		Same	pt Yes	Temperature: 3.3	Preservative Type	Ice										
I ULN-Around I IIIIe.	X standard	Project Name:	Donner AUH State #1	Project #:	30-025-34860	Project Manager:	Robert Asher			On Ice:	Sample Temp	Container Type and #	1 - 402.									Received by:	Received by:
Chain-of-Custody Record	'nc.		105 S. Fourth Street	Artesia, NM 88210		ces.com		Level 4 (Full Validation)				Sample Request ID	SW 01.0									Part Part	
-Cust	ources,		105 S. F	Artesia, I	575-748-4217	@eogre				D Other		Matrix	Soil									Relinquished by:	Relinquished by:
ain-of-	EOG Resources, Inc					ort Asher	ige:		ä		)e)	Time	11:07 AM			- 						Time: 18:31 AM	
Che	lient:		ailing Address:		hone #:	mail: Robe	A/QC Package:	( Standard	ccreditation:	<b>I NELAP</b>	1 EDD (Type)	Date	1/10/2017									late: T	

5 í ssary, samples IT neo



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

January 18, 2017

Robert Asher EOG Resources 105 South Fourth Street Artesia, NM 88210 TEL: (575) 748-4111 FAX

RE: Donner AUH State 1

OrderNo.: 1701491

Dear Robert Asher:

Hall Environmental Analysis Laboratory received 1 sample(s) on 1/12/2017 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 <u>www.hallenvironmental.com</u> 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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Envi	ironmental Analysis	s Laborat	ory, Inc.		Lab Order: 170149 Date Reported: 1/1	•
CLIENT: Project:	EOG Resources Donner AUH State 1				Lab Order: 1701	491
Lab ID: Client Sampl	1701491-001 e ID: SW 01.0		na da mandro de ante an Arro cama		Date: 1/10/2017 11:07:00 trix: SOIL	AM
Analyses		Result	PQL Qua	l Units	DF Date Analyzed	Batch ID
EPA METHO Chloride	D 300.0: ANIONS	600	30	mg/Kg	Ai 20 1/17/2017 4:11:0	nalyst: <b>LGT</b> 8 PM 29731

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- D Sample Difuted Due to Maura
- 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 1 of 2

**Analytical Report** 

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

## QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#: 1701491

Page 2 of 2

18-Jan-17

Client:EOG ResourcesProject:Donner AUH State 1

Domie.				
Sample ID MB-29731	SampType: MBLK	TestCode: EPA Method	300.0: Anions	
Client ID: PBS	Batch ID: 29731	RunNo: 40098		
Prep Date: 1/17/2017	Analysis Date: 1/17/2017	SeqNo: 1256752	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	ND 1.5			
Sample ID LCS-29731	SampType: LCS	TestCode: EPA Method	300.0: Anions	
Client ID: LCSS	Batch ID: 29731	RunNo: 40098		
Prep Date: 1/17/2017	Analysis Date: 1/17/2017	SeqNo: 1256753	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	14 1.5 15.00	0 95.8 90	110	

#### 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

### HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Client Name:	EOG/Yates	Work C	order Number:	1701491		Rcpt	No: 1
Received by/date	e: RE	01/1.	2/17				33
Logged By:	Ashley Gallegos	/ 1/12/2017	7 9:45:00 AM		A		
Completed By:	Ashley Gallegos	1/12/2013	1:07:30 PM		A		
Reviewed By:	A	Ollz	113		Q .		
Chain of Cus	tody	011.12	<b>1</b> . V. ¹				t a carrier a come a
1. Custody sea	Is intact on sample b	ottles?		Yes	No [	Not Present	
2. Is Chain of C	Custody complete?			Yes 🔽	No	Not Present	
3. How was the	sample delivered?			Courier			
Log In							
4. Was an atte	mpt made to cool the	samples?		Yes 🔽	Nol	] NA	
5. Were all san	nples received at a te	mperature of >0° C	to 6.0°C	Yes 🗹	No [	] <b>na</b> [	_]
6. Sample(s) ir	n proper container(s)?	2		Yes 🔽	) No [	J	
7. Sufficient sa	mple volume for indic	ated test(s)?		Yes 🔽	No [	]	
8. Are samples	e (except VOA and ON	IG) properly preserve	ed?	Yes 🖌	<b>No</b> []	1	
9. Was preserv	vative added to bottles	\$?		Yes	No 🔽	NA	J
10.VOA vials ha	ave zero headspace?			Yes []	No []	No VOA Vials	<u>~</u>
11. Were any sa	ample containers rece	elved broken?		Yes 🗌	No 🕅		
	vork match bottle labe pancies on chain of c			Yes 🖊	No		<2 or >12 unless noted)
	correctly identified or	F		Yes 🖌	No [		
	at analyses were requ			Yes 🔽	No []	]	
	ding times able to be customer for authoriz			Yes 🔽	No	Checked b	y: 
Special Hand	lling (if applicabl	i <u>e)</u>					
16. Was client n	otified of all discrepar	ncies with this order?		Yes 🗌	No [.	) NA	<i>v</i>
Person	Notified:	LINE PLU SELA AND AND AND AND AND AND AND AND AND AN	Date	anina da	NTRA BARANCE CONSISTENT PRANTIE		
By Wh	iom:	and and a static stat	Via:	eMail	Phone Fr	ax [] In Person	
Regard	ding:	ioni noorinka harreren daarona ayar	HETELES AGUN BUR BURGESISE		CONTRACTOR CONTRACTOR CONTRACTOR	REPAIRING CONTRACTOR	
Client	Instructions:	nan a fan a fan de f	angyarak Panangkan Sing Sing	MACHINARISSIC ALCORE	n a chuir an	agan ini ani ini any any ang ini ang in	ue
17. Additional re	emarks:		C C TRANS				in t
18. <u>Cooler Info</u>							
Cooler No		and the second s	Seal No S	eal Date	Signed By	_	
<u>P</u>	3.3 Good	Yes					
Page 1 of	f1	a Ban Karaka (Karaka)	adaan sa ahaanaa		nume 20 <u></u>		en an

	7				Analysis Request	( or N)				×۷)	Air Bubbles							 		
HALL ENVIRONMENTAL	ANALYSIS LABORATORY		4901 Hawkins NE - Albuquerque, NM 87109	Tel. 505-345-3975 Fax 505-345-4107															 oort.	
EN	<b>LAT</b>	www.hallenvironmental.com													 				Remarks: Please put chloride results on separate report. Analytical Results by 1/20/2017.	
M	ORO					(AOV-im92) 0728						 		 			 	 epara		
ō	AB					Anions (CI) 3081 Pesticides / 8082 PCB's 2560B (VOA)					 		 	_	 	 	 on si			
IR											×	 		 		 	 	 sults		
N	SIS					(HA9 or PAH) RCRA 8 Metals RCRA 8 Metals					<u>.</u>	 		 		 	 	 le res 017.		
Ш	Z											 				 	 	 Remarks: Please put chloride re Analytical Results by 1/20/2017.		
	A					EDB (Method 504.1)				_	 				 	 	 by 1			
I	A	>	awkir	5-34							orteM) H9T		 				 		ase p sults	
<b>1</b>			1 Ha	1. 50		əsə	IQ/s	ieə)	128 (	08 F	TPH Metho	×			 	·			: Ple	
			490	4		(Aju	o se	e) (	HqT	- E	BTEX + MT								larks lytice	
						ં(ા	208)	) s.e	IMT -	- 3E	TM + XƏT8	×							Ren Ana	
											EAL No. 701 4 91	100-							Time Ø935	Time
											HEAL No 1-701 4								Date [ 12 17	Date
.ə	C Rush		ate #1				17		Same	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Preservative Type	lce								
I ULN-Around I IINE:	X Standard	Project Name:	Donner AUH State #1	roject #:	30-025-34860	Project Manager:	Robert Asher		Sampler: S	Temp	ner 7d #	1 - 4oz.		-					Received by:	Received by:
dy Record			105 S. Fourth Street			ces.com		Level 4 (Full Validation)			Sample Request ID	SW 01.0							° S	a service of the serv
-Custo	EOG Resources, Inc.		105 S. Fo	Artesia, NM 88210	575-748-4217	r@eogres					Matrix	Soil							Relinquished by:	Relinquished by:
ain-of	EOG Res	£	ress:			ert Ashe	age:	' די	ü	(au	me	11:07 AM							Time: 8:31 AM	Time:
	lient:		lailing Address:	-	hone #:	mail: Rob	A/QC Package:	( Standard	ccreditation:	I FDD (Tyne)	Date	1/10/2017							ate: 1/11/2017	late: