District 1
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised April 3, 2017

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

						OPERA'	TOR		Initia	al Report	Final Repor
Name of Co	ompany NI	M&O Opera	ting Com	npany			y Davis or Larr	y Swe			
Address 15	East 5th St	treet Ste 300	0 Tulsa C			Telephone 1	No. 5053206502	or 91			
acility Na	me Rucker	Lake No 2	SWD		I	Facility Typ	e Salt Water Di	sposal			
Surface Ow	vner Larry	Hatley		Mineral	Owner N	M&O Ope	rating Co		API No	. 30-039-23231	
				LOC	ATION	OF RE	LEASE				
Jnit Letter	Section	Township	Range	Feet from the		South Line	Feet from the	East	West Line	County	
V.	2.1	261	211/	1460	0 1		1520			D: 4 - 1	
ζ	24	25N	2W	1450	South		1520	West	•	Rio Arriba	
			La	atitude 36.380			le <u>107.005371</u>	1			
-			*****	NA'	TURE	OF REL			T	1.40111	and the second second second
type of Rele	ease Oil/Cor	ndensate				Approximately Ap	f Release 80bbls		Volume I	Recovered 40bbls	
Source of Release Tank							Hour of Occurrence	e l	Date and	Hour of Discove	ry 4/15/13
						4/14/13	112				
Was Immedi	rate Notice (Yes [No □ Not I	Required	If YES, To	& Larry Sweet				
By Whom?	Bryan C Da				-34-11-00	Date and I					
Was a Water		ched?					olume Impacting	the Wa	ercourse.		
			Yes 2	☑ No							
If a Waterco	ourse was Im	pacted, Desci	ribe Fully.	*		-				NW	OCD
										MAR (8 2018
										MAR (8 2018
		lem and Remo			t directly	uder the tank	k. Permission gra	nted fre	om OCD to	DISTRI	CT III
Fank Botton					t directly	uder the tank	k. Permission gra	nted fro	m OCD to	DISTRI	CT III
Fank Botton removed.	n rusted thro	ough, mostly o	cleaned 2	years prior excep	t directly	uder the tank	k. Permission gr a	nted fro	m OCD to	DISTRI	CT III
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Fank Botton removed. Describe Ar	n rusted thro	ough, mostly o	Action Ta	years prior excep	t directly	uder the tank	k. Permission gr a	nted fre	m OCD to	DISTRI	CT III
Fank Botton removed. Describe Ar	n rusted thro	ough, mostly o	Action Ta	years prior excep	t directly	uder the tank	k. Permission gr a	nted fro	m OCD to	DISTRI	CT III
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Half Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: \$05-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

OrderNo.: 1508A80

August 28, 2015

Dixon Sandoval Dixon Sandoval P.O. Box 770 Dulce, NM 87582

TEL: (505) 360-2030

FAX

RE: Rucker Lake No. 2. North Lindrith 23-1 5pt Composite

Dear Dixon Sandoval:

Hall Environmental Analysis Laboratory received 3 sample(s) on 8/21/2015 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 www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

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

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report Lab Order 1508A80 Date Reported: 8/28/2015

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Dixon Sandoval

Client Sample ID: Rucker Lake #2 Site 1

Project: Rucker Lake No. 2. North Lindrith 23-1 5

Collection Date: \$/19/2015 12:05:00 PM

Lab ID: 1508A80-001

Matrix: SOIL

Received Date: 8/21/2015 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	LGT
Chloride	10	7.5		mg/Kg	5	8/27/2015 10:58:15 AM	21013
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANIC	S				Analyst:	TOM
Diesel Range Organics (DRO)	1200	99		mg/Kg	10	8/25/2015 3:44:42 PM	20948
Motor Oil Range Organics (MRO)	1400	490		mg/Kg	10	8/25/2015 3:44:42 PM	20948
Surr: DNOP	0	57.9-140	S	%REC	10	8/25/2015 3:44:42 PM	20948
EPA METHOD 8015D: GASOLINE RAI	NGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/25/2015 11:50:24 AM	20933
Surr: BFB	96 4	75.4-113		%REC	1	8/25/2015 11:50:24 AM	20933
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Methyl tert-butyl ether (MTBE)	ND	0.094		mg/Kg	1	8/25/2015 11:50:24 AM	20933
Benzene	ND	0.047		mg/Kg	1	8/25/2015 11:50:24 AM	20933
Toluene	ND	0.047		mg/Kg	1	8/25/2015 11:50:24 AM	20933
Ethylbenzene	ND	0.047		mg/Kg	1	8/25/2015 11:50:24 AM	20933
Xylenes, Total	ND	0.094		mg/Kg	1	8/25/2015 11:50:24 AM	20933
Surr: 4-Bromofluorobenzene	104	80-120		%REC	1	8/25/2015 11:50:24 AM	20933

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

- Value exceeds Maximum Contaminant Level.
- D. Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 1 of 8
- P Sample pH Not In Range
- RL Reporting Detection Limit

Analytical Report Lab Order 1508A80 Date Reported: 8/28/2015

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Dixon Sandoval

Client Sample 1D: Rucker Lake #2 Site 2

Project: Rucker Lake No. 2. North Lindrith 23-1 5

Collection Date: 8/19/2015 12:10:00 PM

Lab ID:

1508A80-002

Matrix: SOIL

Received Date: 8/21/2015 8:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	LGT
Chloride	ND	7.5	mg/Kg	5	8/27/2015 12:12:43 PM	21013
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANIC	S			Analyst	TOM
Diesel Range Organics (DRO)	12	9.8	mg/Kg	1	8/25/2015 4:39:31 PM	20948
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	8/25/2015 4:39:31 PM	20948
Surr: DNOP	98.6	57.9-140	%REC	1	8/25/2015 4:39:31 PM	20948
EPA METHOD 8015D: GASOLINE R.	ANGE				Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	8/25/2015 1:04:56 PM	20933
Surr: BFB	80.6	75.4-113	%REC	1	8/25/2015 1:04:56 PM	20933
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Methyl tert-butyl ether (MTBE)	ND	0.097	mg/Kg	1	8/25/2015 1:04:56 PM	20933
Benzene	ND	0.048	mg/Kg	1	8/25/2015 1:04:56 PM	20933
Toluene	ND	0.048	mg/Kg	1	8/25/2015 1:04:56 PM	20933
Ethylbenzene	ND	0.048	mg/Kg	1	8/25/2015 1:04:56 PM	20933
Xylenes, Total	ND	0.097	mg/Kg	1	8/25/2015 1:04:56 PM	20933
Surr: 4-Bromofluorobenzene	95.3	80-120	%REC	1	8/25/2015 1:04:56 PM	20933

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

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E. Value above quantitation range
- J Analyte detected below quantitation limits Page 2 of 8
- P Sample pH Not In Range
- RL Reporting Detection Limit

Lab Order 1508A80

Date Reported: 8/28/2015

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Dixon Sandoval

Client Sample ID: North Lindrith 23-1

Project: Rucker Lake No. 2. North Lindrith 23-1 5

Collection Date: 8/19/2015 12:15:00 PM

Lab ID: 1508A80-003

Matrix: SOIL

Received Date: 8/21/2015 8:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	LGT
Chloride	55	7.5	mg/Kg	5	8/27/2015 12:37:32 PM	21013
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANIC	S			Analyst:	TOM
Diesel Range Organics (DRO)	470	10	mg/Kg	1	8/25/2015 5:06:50 PM	20948
Motor Oil Range Organics (MRO)	280	51	mg/Kg	1	8/25/2015 5:06:50 PM	20948
Surr: DNOP	110	57.9-140	%REC	1	8/25/2015 5:06:50 PM	20948
EPA METHOD 8015D: GASOLINE RAI	NGE				Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	8/25/2015 1:29:49 PM	20933
Surr: BFB	96.0	75.4-113	%REC	1	8/25/2015 1:29:49 PM	20933
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Methyl tert-butyl ether (MTBE)	ND	0.097	mg/Kg	1	8/25/2015 1:29:49 PM	20933
Benzene	ND	0.048	mg/Kg	1	8/25/2015 1:29:49 PM	20933
Toluene	ND	0.048	mg/Kg	1	8/25/2015 1:29:49 PM	20933
Ethylbenzene	ND	0.048	mg/Kg	1	8/25/2015 1:29:49 PM	20933
Xylenes, Total	ND	0.097	mg/Kg	1	8/25/2015 1:29:49 PM	20933
Surr: 4-Bromofluorobenzene	102	80-120	%REC	1	8/25/2015 1:29:49 PM	20933

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

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 3 of 8
- P Sample pH Not in Range
- RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

WO#:

1508A80

28-Aug-15

Client:

Dixon Sandoval

Project:

Rucker Lake No. 2. North Lindrith 23-1 5pt Co

Sample ID 1508A80-001AMS

8/27/2015

SampType: MS

TestCode: EPA Method 300.0: Anions

Client ID

Rucker Lake #2 Site

Batch ID 21013

PQL

7.5

RunNo: 28518

Analysis Date: 8/27/2015

SeqNo: 862438

Units mg/Kg

Analyte

Result

SPK value SPK Ref Val

10.44

131

Prep Date: Chloride

24

15.00

%REC 91.2

LowLimit HighLimit

64.2

RPDLimit

Qual

Sample ID 1508A80-001AMSD

SampType: MSD

TestCode: EPA Method 300.0: Anions

Rucker Lake #2 Site Prep Date: 8/27/2015

Batch ID: 21013

RunNo: 28518 SeqNo: 862439

Analysis Date: 8/27/2015

117

Units: mg/Kg

Analyte

Client ID:

PQL SPK value SPK Ref Val %REC LowLimit

%RPD HighLimit

RPDLimit

Qual

131

15.00

10.44

64.2

Chloride

14.8

%RPD

Qualifiers:

H

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- ND Not Detected at the Reporting Limit R RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix

Holding times for preparation or analysis exceeded

- Analyte detected in the associated Method Blank
- Value above quantitation range
- Analyte detected below quantitation limits
- Sample pH Not In Range Reporting Detection Limit

Page 4 of 8

Hall Environmental Analysis Laboratory, Inc.

WO#: 1508A80

28-Aug-15

Client:

Dixon Sandoval

Project:

Rucker Lake No. 2. North Lindrith 23-1 5pt Co

Sample ID MB-20948	SampT	ype ME	ILK	Test	Code: El	PA Method	8015M/D: Die	sel Rang	e Organics	
Client ID: PBS	Batch	ID 209	948	R	unNo: 2	8434				
Prep Date: 8/24/2015	Analysis D	ate: 8/	25/2015	Se	eqNo: 8	59160	Units: mg/K	Ð		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10						1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.6		10.00		85.6	57.9	140			

Sample ID LCS-20948	SampT	ype: LC	s	Test	Code: E	PA Method	8015M/D: Di	sel Rang	e Organics	
Client ID. LCSS	Batch	Batch ID: 20948				RunNo: 28434				
Prep Date: 8/24/2015	Analysis Date: 8/25/2015			SeqNo: 859161			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	93.8	57.4	139			
Surr: DNOP	4.3		5.000		85.4	57.9	140			

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

Page 5 of 8

Hall Environmental Analysis Laboratory, Inc.

WO#:

1508A80

28-Aug-15

Client:

Dixon Sandoval

Project:

Rucker Lake No. 2. North Lindrith 23-1 5pt Co

Gasoline Range Organics (GRO) Surr. BFB	ND 840	5.0	1000		83.6	75.4	113			
Analyte	Result	POL			6REC	LowLimit	HiahLimit	%RPD	RPDLimit	Qual
Prep Date. 8/24/2015	Analysis D	ate: R/	25/2015	Sec	No: 85	9725	Units: mg/K			
Client ID: PBS	Batch	1D: 20	933	Rur	No: 28	3433				
Sample ID MB-20933	SampT	ype: ME	BLK	TestC	ode: EP	A Method	8015D: Gaso	ine Rang	e	

Sample ID LCS-20933	SampT	ype: LC	S	Test	Code: E	PA Method	8015D: Gaso	Ine Rang	е	
Client ID: LCSS	Batch	ID: 209	933	R	lunNo: 2	8433				
Prep Date: 8/24/2015	Analysis D	ate: 8/	25/2015	S	eqNo: 8	59726	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	99.5	79.6	122			
Surr: BFB	880		1000		88 2	75.4	113			

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

Page 6 of 8

Hall Environmental Analysis Laboratory, Inc.

WO#:

1508A80

28-Aug-15

Client:

Dixon Sandoval

Sample ID MB-20933	SampT	ype. ME	BLK	Tes	Code: E	PA Method	8021B: Volati	es		
Client ID: PBS	Batch	ID 20	933	R	lunNo: 2	28433				
Prep Date: 8/24/2015	Analysis D	ate 8/	25/2015	S	eqNo: 8	359761	Units: mg/K			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	0.10								
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.99		1.000		99.3	80	120			
Sample ID LCS-20933	SampT	ype. LC	S	Tes	tCode: E	PA Method	8021B: Volati	les		
Client ID LCSS	Batch	ID: 20	933	R	lunNo. 2	28433				
Prep Date: 8/24/2015	Analysis D	ate 8/	25/2015	S	SeqNo: 8	359762	Units: mg/K			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	0.88	0.10	1.000	0	88.1	69.8	143			
Benzene	0.97	0.050	1.000	0	97.0	76.6	128			
Toluene	0.99	0.050	1.000	0	99.0	75	124			
Ethylbenzene	1.0	0.050	1.000	0	103	79.5	126			
Xylenes, Total	3.0	0.10	3.000	0	101	78.8	124			
Surr: 4-Bromofluorobenzene	1,1		1.000		109	80	120			
Sample ID 1508A80-001AN	IS SampT	ype: MS	3	Tes	tCode: E	PA Method	8021B: Volati	les		***************************************
Client ID Rucker Lake #2	Site Batch	ID. 20	933	F	RunNo: 2	28433				
Prep Date: 8/24/2015	Analysis D	ate: 8/	25/2015	S	SeqNo: 8	359766	Units: mg/K	,		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	0.89	0.097	0.9737	0	91.3	53.6	133			
Benzene	1.0	0.049	0.9737	0	106	69.6	136			
Toluene	1.1	0.049	0.9737	0.02172	106	76.2	134			
Ethylbenzene	1.1	0.049	0.9737	0.01808	111	75.8	137			
Xylenes, Total	3.2	0.097	2.921	0.03723	108	78.9	133			
Surr: 4-Bromofluorobenzene	1.0		0.9737		106	80	120			

Sample ID 1508A80-001AM5	SD SampT	ype MS	D	Test	tCode El	PA Method	8021B: Volatil	es		
Client ID: Rucker Lake #2	Site Batch	h ID: 20!	933	R	RunNo 2	8433				
Prep Date: 8/24/2015	Analysis D	Date: 8/	25/2015	S	SeqNo: 8	59767	Units mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	0 82	0.10	0.9970	0	82.1	53.6	133	8.28	20	
Benzene	0.96	0.050	0.9970	0	96.3	69.6	136	6.84	20	
Toluene	0.99	0.050	0.9970	0.02172	97.5	76.2	134	5.73	20	
Ethylbenzene	1.0	0.050	0.9970	0.01808	103	75.8	137	5.15	20	

Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

RPD outside accepted recovery limits K

% Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

Value above quantitation range

Analyte detected below quantitation limits

Sample pH Not In Range

RL Reporting Detection Limit

Page 7 of 8

Hall Environmental Analysis Laboratory, Inc.

WO#:

1508A80

28-Aug-15

Client:

Dixon Sandoval

Project:

Rucker Lake No. 2. North Lindrith 23-1 5pt Co

Sample ID 1508A80-001AM	SD SampT	ype MS	D	Test	Code: El	PA Method	8021B: Volati	les		
Client ID: Rucker Lake #2	Site Batch	ID: 20	933	R	unNo: 2	8433				
Prep Date: 8/24/2015	Analysis D	ate: 8/	25/2015	S	eqNo 8	59767	Units: mg/K			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Xylenes, Total	3.0	0.10	2.991	0.03723	99.2	78.9	133	6.37	20	
Surr: 4-Bromofluorobenzene	1.1		0.9970		107	80	120	0	0	

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

Page 8 of 8



Halt Environmental Analysis Laboratory
4961 Hals kins NL
hibiquorque NMAZION

TEL 505 315 5975 FAX 505-345-4102
Februtes www.bankerwivoumental.com

Client Name: DIXON SANDOVAL Work	Order Number, 1503/	\ 80		RcptNo. 1
Received by/date: A (%)	16			
Logged By Ashley Gallegos 8/21/20	915 B 00:00 AM	Ag		
Completed By Ashley Gallegos 8/21/20	015 2:01:35 PM	A X		
Reviewed By	115	()		
Chain of Custody	16.			
Custody seals intact on sample bottles?	Yes	No		Vot Present ✔
2. Is Chain of Custody complete?	Yes	✓ No		Not Present
3. How was the sample delivered?	Cour	ier		
Log In				
4. Was an attempt made to cool the samples?	Yes	✓ No		NA X
5. Word all samples received at a temperature of >0° to	C to 6.0°C Yes	✓ No		NA .
6. Sample(s) in proper container(s)?	Yes	✓ No	30 de la constanta de la const	
7. Sufficient sample volume for indicated test(s)?	Yes	, √ . Nu		
8. Are samples (except VOA and ONG) properly preson	rved? Yes	✓ No		
9. Was preservative added to bottles?	Yes	No	Y	NA
10 VOA vials have zero headspace?	Yes	No	N	VOA Vials
11. Were any sample containers received broken?	Yes	No		
			31 3 2 3	of preserved titles checked
12. Does paperwork match bottle labels?	Yes	✓. No	fa	r pH (<2 or >12 unless noted)
(Note discrepancies on chain of custody)	2 V	✓ No		Adjusted?
13. Are matrices correctly identified on Chain of Gustody	y? Yes	V 100		
14. Is it clear what analyses were requested?	Yes	7.0		Checked by
 Were all holding times able to be met? (If no, notify dustomer for authorization.) 	103			,
Special Handling (if applicable)				
16. Was dient notified of all discrepancies with this order	er? Yes	No		NA 🗹
Person Notified	Date	re-creasancepro e executados del colocidados con Palas (1900 con 1900 con 1		
By Whom:	Va. eMa	aii Phone	Fax	In Person
Regarding	mentre i et i en	o de la como especial de la la composition de la composition della		
Client Instructions	Marie and Marie and a security of the security			3
17. Additional remarks				
18. Cooler Information				
Cooler No Temp ℃ Condition Seat Intac	t Seal No Seal D.	ate Signed (3у]	
I 10 Good Not Presen	1			
Page 1 of 1				

Chain-of-Custody Record					-	IAI		ENI	VTI	20	NI	MEN	ITAI			
Client: De N M & O Operating	Standard	□ Rush_		_ '		二									ror	
Cle Six England	Project Name:	/ /!	5pt							nviror						-
Mailing Address: -	Project Name: Rucker h North h 8 Project #:	ake Ne	2. Com	عاده										1400		
50×1025	Project #	narith	23	_						Albuqi						
Dulce NM 8752	S Project #.				Te	el. 50	5-34	5-39	-			-345		7		
Phone #: 575 235 - 8048			-						Ana	alysis	Rec	ues	t			
email or Fax#: AKsandova 20106 gma	Project Manager:	/	1	=	only)	RO				00	S					
QA/QC Package:	DixonSa	andova	((8021)	as c	Σ	1	-	(S)	S,40	PCB'					
Standard	1)			TMB's (TPH (Gas	/ DRO / MRO			SIN	D'	2 P					
Accreditation .	Sampler: 52	Sampler: 344					7	=	70	00	8082					î
□ NELAP □ Other			No	+	+	RO	TPH (Method 418.1)	204	r 82	03,0	8/1		DA)			0
□ EDD (Type)	Sample Tempera	ture: /.)		MTBE	MTBE	3 (G	po	po	00	Z	Side	A	J-V-	8		>
	01			Σ	Σ	15E	eth	leth	831	(F, C	estic	9	em	3		ples
Date Time Matrix Sample Request II	Type and #	Type	HEAL No.	×	×	180	S	3	1's	Sus	1 P	0B (0 (S	210		3ub
19/6 1 August RuckerLake 25 te	1 40 5. Ale.	1,00	HEAL NO. 508 A80	200	BTEX	TPH 8015B (GRO	TP	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	Anions (F, Cl, NO ₃ , NO ₂ , PO ₄ , SO ₄)	8081 Pesticides /	8260B (VOA)	8270 (Semi-VOA)	V		Air Bubbles (Y
19/15 12:10 pm Soil Rucker Lake 25 ste 1,9/15 12:10 pm Soil Rucker Lake 25 ste 19/15 12:15 pm Soil North hindrith 2	L SoHle 1	22.	-007		伊									+		
halis 12:15 m sol North hundrith 2	-11	ce	-00	-		X	\dashv	1							111	
17/3 42 101 DE NOTE RIGHTIS 2	/-1			1			+	+	_	+	+			7	++	+
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Date: Time: Relinquished by:	Received by:		Date Time	-3												
Shill ISUM MIT AND																
	Van a	10 15	8/21/15 080	6												



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

October 13, 2015

Dixon Sandoval Dixon Sandoval P.O. Box 770 Dulce, NM 87582 TEL: (505) 360-2030

FAX

RE: Rucker Lake No 2

OrderNo.: 1510133

Dear Dixon Sandoval:

Hall Environmental Analysis Laboratory received 3 sample(s) on 10/2/2015 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 www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

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

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order 1510133

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/13/2015

CLIENT: Dixon Sandoval

Client Sample ID: 01-5pt bottom

Project:

Rucker Lake No 2

Collection Date: 10/1/2015 12:45:00 PM

Lab ID:

1510133-001

Matrix: SOIL

Received Date: 10/2/2015 2:10:00 PM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: LGT
Chloride	51	7.5	mg/Kg	5	10/7/2015 3:29:09 PM	21731
EPA METHOD 8015M/D: DIESEL RAM	IGE ORGANICS	3			Analys	t: KJH
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	10/8/2015 8:20:24 PM	21679
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	10/8/2015 8:20:24 PM	21679
Surr: DNOP	106	57.9-140	%REC	1	10/8/2015 8:20:24 PM	21679
EPA METHOD 8015D: GASOLINE RA	NGE				Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	10/7/2015 3:25:36 PM	21694
Surr: BFB	88.7	75.4-113	%REC	1	10/7/2015 3:25:36 PM	21694
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Methyl tert-butyl ether (MTBE)	ND	0.097	mg/Kg	1	10/7/2015 3:25:36 PM	21694
Benzene	ND	0.048	mg/Kg	1	10/7/2015 3:25:36 PM	21694
Toluene	ND	0.048	mg/Kg	1	10/7/2015 3:25:36 PM	21694
Ethylbenzene	ND	0.048	mg/Kg	1	10/7/2015 3:25:36 PM	21694
Xylenes, Total	ND	0.097	mg/Kg	1	10/7/2015 3:25:36 PM	21694
Surr: 4-Bromofluorobenzene	103	80-120	%REC	. 1	10/7/2015 3:25:36 PM	21694

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

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 1 of 9
- P Sample pH Not In Range
- RL Reporting Detection Limit

Lab Order 1510133

Date Reported: 10/13/2015

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Dixon Sandoval

Client Sample ID: 02-5pt SE Wall

Project: Rucker Lake No 2

Collection Date: 10/1/2015 12:47:00 PM

Lab ID: 1510133-002

Matrix: SOIL Received Date: 10/2/2015 2:10:00 PM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: LGT
Chloride	41	7.5	mg/Kg	5	10/7/2015 4:18:48 PM	21731
EPA METHOD 8015M/D: DIESEL RANGE	ORGANIC	S			Analys	t: KJH
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	10/8/2015 8:47:45 PM	21679
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	10/8/2015 8:47:45 PM	21679
Surr: DNOP	103	57.9-140	%REC	1	10/8/2015 8:47:45 PM	21679
EPA METHOD 8015D: GASOLINE RANG	E				Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	10/7/2015 8:26:38 PM	21694
Surr: BFB	88.4	75.4-113	%REC	1	10/7/2015 8:26:38 PM	21694
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Methyl tert-butyl ether (MTBE)	ND	0.095	mg/Kg	1	10/7/2015 8:26:38 PM	21694
Benzene	ND	0.047	mg/Kg	1	10/7/2015 8:26:38 PM	21694
Toluene	ND	0.047	mg/Kg	1	10/7/2015 8:26:38 PM	21694
Ethylbenzene	ND	0.047	mg/Kg	1	10/7/2015 8:26:38 PM	21694
Xylenes, Total	ND	0.095	mg/Kg	1	10/7/2015 8:26:38 PM	21694
Surr: 4-Bromofluorobenzene	103	80-120	%REC	1	10/7/2015 8:26:38 PM	21694

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

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits Page 2 of 9 J
- Sample pH Not In Range
- RL Reporting Detection Limit

Lab Order 1510133

Date Reported: 10/13/2015

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Dixon Sandoval

Client Sample ID: 03-5pt NW Wall

Project:

Rucker Lake No 2

Collection Date: 10/1/2015 12:50:00 PM

Lab ID:

1510133-003

Matrix: SOIL

Received Date: 10/2/2015 2:10:00 PM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LGT
Chloride	ND	7.5	mg/Kg	5	10/7/2015 4:43:37 PM	21731
EPA METHOD 8015M/D: DIESEL RAM	IGE ORGANICS	3			Analyst	: KJH
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	10/8/2015 9:15:02 PM	21679
Motor Oil Range Organics (MRO)	ND	51	mg/Kg	1	10/8/2015 9:15:02 PM	21679
Surr: DNOP	102	57.9-140	%REC	1	10/8/2015 9:15:02 PM	21679
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	10/7/2015 8:49:46 PM	21694
Surr: BFB	88.2	75.4-113	%REC	1	10/7/2015 8:49:46 PM	21694
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Methyl tert-butyl ether (MTBE)	ND	0.095	mg/Kg	1	10/7/2015 8:49:46 PM	21694
Benzene	ND	0.047	mg/Kg	1	10/7/2015 8:49:46 PM	21694
Toluene	ND	0.047	mg/Kg	1	10/7/2015 8:49:46 PM	21694
Ethylbenzene	ND	0.047	mg/Kg	1	10/7/2015 8:49:46 PM	21694
Xylenes, Total	ND	0.095	mg/Kg	1	10/7/2015 8:49:46 PM	21694
Surr: 4-Bromofluorobenzene	104	80-120	%REC	1	10/7/2015 8:49:46 PM	21694

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

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits Page 3 of 9 J
- Sample pH Not In Range
- RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

WO#:

1510133

13-Oct-15

Client:

Dixon Sandoval

Project:

Rucker Lake No 2

Sample ID MB-21731

SampType: MBLK

TestCode: EPA Method 300.0: Anions

Client ID:

Prep Date:

10/7/2015

Batch ID: 21731 Analysis Date: 10/7/2015

PQL

RunNo: 29381

SPK value SPK Ref Val %REC LowLimit

SeqNo: 893383

Units: mg/Kg

HighLimit

%RPD

%RPD

RPDLimit

Qual

Analyte Chloride

ND

Sample ID LCS-21731

SampType: LCS

Analysis Date: 10/7/2015

TestCode: EPA Method 300.0: Anions

Client ID: LCSS Prep Date: 10/7/2015 Batch ID: 21731

1.5

RunNo: 29381

SeqNo: 893384

Units: mg/Kg

110

Analyte

Client ID:

Prep Date:

14

Result

PQL SPK value SPK Ref Val

%REC

LowLimit

HighLimit

RPDLimit

Qual

Chloride

Sample ID 1510133-001AMS

SampType: MS

TestCode: EPA Method 300.0: Anions

92.9

Batch ID: 21731

RunNo: 29381 SeqNo: 893386

Units: mg/Kg

Analyte

10/7/2015

01-5pt bottom

Analysis Date: 10/7/2015

Result

Result

69

SPK value SPK Ref Val

SPK value SPK Ref Val

15.00

15.00

15.00

%REC 79.7

LowLimit

HighLimit %RPD **RPDLimit**

Qual

Qual

Chloride

Sample ID 1510133-001AMSD

SampType: MSD

PQL

7.5

TestCode: EPA Method 300.0: Anions

%REC

120

01-5pt bottom

Batch ID: 21731

PQL

7.5

RunNo: 29381

64.2

Units: mg/Kg

131

RPDLimit

Analyte Chloride

Client ID:

Prep Date:

10/7/2015

Analysis Date: 10/7/2015

50.70

SeqNo: 893387

LowLimit HighLimit

%RPD

9.24

20

Qualifiers:

S

Value exceeds Maximum Contaminant Level.

Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

% Recovery outside of range due to dilution or matrix

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits Analyte detected in the associated Method Blank

Value above quantitation range

Analyte detected below quantitation limits

Page 4 of 9

Sample pH Not In Range

Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: 1510133 13-Oct-15

Dixon Sandoval **Client: Project:** Rucker Lake No 2 Sample ID MB-21652 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 21652 RunNo: 29273 Prep Date: Analysis Date: 10/5/2015 SeqNo: 890900 Units: %REC 10/5/2015 SPK value SPK Ref Val %RPD **RPDLimit** Result PQL %REC LowLimit HighLimit Qual Analyte Surr: DNOP 7.9 10.00 78.7 57.9 140 Sample ID LCS-21652 TestCode: EPA Method 8015M/D: Diesel Range Organics SampType: LCS Client ID: LCSS RunNo: 29273 Batch ID: 21652 Prep Date: 10/5/2015 Analysis Date: 10/5/2015 SeqNo: 890901 Units: %REC SPK value SPK Ref Val %REC %RPD **RPDLimit** Qual Analyte Result POL I owl imit HighLimit Surr: DNOP 57.9 5.000 94.7 140 4.7 Sample ID MB-21679 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: **PBS** Batch ID: 21679 RunNo: 29273 Prep Date: Analysis Date: 10/8/2015 SeqNo: 894236 Units: mg/Kg 10/6/2015 %REC **RPDLimit** Analyte Result PQL SPK value SPK Ref Val LowLimit **HighLimit** %RPD Qual Diesel Range Organics (DRO) ND 10 Motor Oil Range Organics (MRO) ND 50 Surr: DNOP 10 10.00 105 57.9 140 Sample ID LCS-21679 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 21679 RunNo: 29273 Prep Date: Analysis Date: 10/8/2015 SeqNo: 894238 Units: mg/Kg 10/6/2015 SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual Analyte Result PQL LowLimit Diesel Range Organics (DRO) 52 10 50.00 104 57.4 139 Surr: DNOP 5.000 57.9 5.6 112 140 TestCode: EPA Method 8015M/D: Diesel Range Organics Sample ID 1510133-001AMS SampType: MS Client ID: RunNo: 29273 01-5pt bottom Batch ID: 21679 Prep Date: 10/6/2015 Analysis Date: 10/8/2015 SeqNo: 894686 Units: mg/Kg Result SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte POL Lowl imit Qual Diesel Range Organics (DRO) 47 9.8 42.3 49.16 95.8 146 Surr: DNOP 4.9 4.916 98.9 57.9 140 Sample ID 1510133-001AMSD SampType: MSD TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: 01-5pt bottom Batch ID: 21679 RunNo: 29273 Prep Date: 10/6/2015 Analysis Date: 10/8/2015 SeqNo: 894688 Units: mg/Kg

Qualifiers:

Analyte

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

Diesel Range Organics (DRO)

H Holding times for preparation or analysis exceeded

Result

69

PQL

9.9

SPK value SPK Ref Val

0

49.60

- 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

I owl imit

42.3

HighLimit

146

%RPD

38.1

RPDI imit

28.9

Page 5 of 9

Qual

R

E Value above quantitation range

%REC

140

- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

WO#:

1510133 13-Oct-15

Client:

Dixon Sandoval

Project:

Rucker Lake No 2

Sample ID 1510133-001AMSD

SampType: MSD

TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: 01-5pt bottom Batch ID: 21679

RunNo: 29273

Prep Date: 10/6/2015 Analysis Date: 10/8/2015

SeqNo: 894688

Analyte

Result

SPK value SPK Ref Val %REC PQL

LowLimit

Units: mg/Kg HighLimit

%RPD **RPDLimit** Qual

5.0

4.960

0

Surr: DNOP

100

57.9

140

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

RPD outside accepted recovery limits R

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

P Sample pH Not In Range

RL Reporting Detection Limit Page 6 of 9

Hall Environmental Analysis Laboratory, Inc.

WO#:

1510133

13-Oct-15

Client:

Dixon Sandoval

Project:

Rucker Lake No 2

Sample ID MB-21694

SampType: MBLK

TestCode: EPA Method 8015D: Gasoline Range

TestCode: EPA Method 8015D: Gasoline Range

Client ID:

PBS

Batch ID: 21694

RunNo: 29364

Prep Date: 10/6/2015

Analysis Date: 10/7/2015

SeqNo: 893258

Units: mg/Kg

Analyte

PQL Result 5.0 SPK value SPK Ref Val

HighLimit

%REC LowLimit

Gasoline Range Organics (GRO) ND

Surr: BFB

Client ID:

Prep Date:

880

1000

88.0 75.4

%RPD

%RPD

RPDLimit

Qual

113

Sample ID LCS-21694

LCSS

SampType: LCS Batch ID: 21694

PQL

5.0

RunNo: 29364

SPK Ref Val

0

HighLimit

122

113

Analyte Gasoline Range Organics (GRO)

10/6/2015

Analysis Date: 10/7/2015

26

960

Result

29

940

Result

SPK value

25.00

1000

24.11

964.3

%REC

102

95.7

SeqNo: 893259

LowLimit

79.6

75.4

62.5

75.4

LowLimit

Units: mg/Kg

RPDLimit

Qual

Surr: BFB

Sample ID 1510133-002AMS SampType: MS

TestCode: EPA Method 8015D: Gasoline Range

Client ID: 02-5pt SE Wall

Batch ID: 21694

RunNo: 29364

120

97.5

Units: mg/Kg

Analyte Gasoline Range Organics (GRO)

Prep Date:

10/6/2015

Analysis Date: 10/7/2015 PQL

4.8

SeqNo: 893267 SPK value SPK Ref Val

%REC LowLimit HighLimit 151

113

%RPD **RPDLimit**

Qual

Surr: BFB

Sample ID 1510133-002AMSD

SampType: MSD

TestCode: EPA Method 8015D: Gasoline Range

Client ID:

02-5pt SE Wall

Batch ID: 21694

RunNo: 29364

%REC

Prep Date:

10/6/2015

Analysis Date: 10/7/2015

0

SeqNo: 893268

Units: mg/Kg

HighLimit

RPDLimit Qual

0

Analyte Gasoline Range Organics (GRO) Surr: BFB

Result **PQL** 28 23.95 4.8 920 957.9

SPK value SPK Ref Val 0

117 95.7 62.5 75.4

151 113 2.87 0

%RPD

22.1

H

S

Qualifiers: Value exceeds Maximum Contaminant Level.

Holding times for preparation or analysis exceeded

% Recovery outside of range due to dilution or matrix

Sample Diluted Due to Matrix D

Not Detected at the Reporting Limit ND R RPD outside accepted recovery limits В Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

Reporting Detection Limit

Page 7 of 9

Hall Environmental Analysis Laboratory, Inc.

WO#:

1510133

13-Oct-15

Client:

Dixon Sandoval

Project: Rucker Lake No 2

Sample ID MB-21694 Client ID: PBS		ype: ME			tCode: El		8021B: Vola	tiles		
Prep Date: 10/6/2015	Analysis Date: 10/7/2015			S	SeqNo: 8	93314	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	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		105	80	120			

Sample ID LCS-21694	SampT	ype: LC	S	TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch	ID: 21 0	694	F	RunNo: 2	9364					
Prep Date: 10/6/2015	Analysis D	Analysis Date: 10/7/2015			SeqNo: 8	93315	Units: mg/k	g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Methyl tert-butyl ether (MTBE)	1.0	0.10	1.000	0	103	67.2	121				
Benzene	0.97	0.050	1.000	0	96.8	80	120				
Toluene	0.93	0.050	1.000	0	93.5	80	120				
Ethylbenzene	0.94	0.050	1.000	0	93.6	80	120				
Xylenes, Total	2.8	0.10	3.000	0	94.4	80	120				
Surr: 4-Bromofluorobenzene	1.1		1.000		111	80	120				

Sample ID 1510133-001AMS	SampT									
Client ID: 01-5pt bottom	Batch	ID: 210	694	F						
Prep Date: 10/6/2015	Analysis D	ate: 10	0/7/2015	S	93322	Units: mg/k	(g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	1.0	0.097	0.9662	0	106	53.6	133			
Benzene	0.98	0.048	0.9662	0	101	69.6	136			
Toluene	0.98	0.048	0.9662	0	101	76.2	134			
Ethylbenzene	1.0	0.048	0.9662	0	105	75.8	137			
Xylenes, Total	3.1	0.097	2.899	0	105	78.9	133			
Surr: 4-Bromofluorobenzene	1.1		0.9662		111	80	120			

Sample ID 1510133-001AMSI	O SampT	ype: MS	SD	Tes	tCode: El	tiles				
Client ID: 01-5pt bottom	Batch	ID: 210	694	F	RunNo: 2	9364				
Prep Date: 10/6/2015	Analysis D	ate: 10	0/7/2015	8	SeqNo: 8	93324	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	1.1	0.097	0.9681	0	113	53.6	133	6.12	20	
Benzene	1.0	0.048	0.9681	0	107	69.6	136	5.31	20	
Toluene	1.0	0.048	0.9681	0	106	76.2	134	4.46	20	
Ethylbenzene	1.0	0.048	0.9681	0	107	75.8	137	2.41	20	

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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Hall Environmental Analysis Laboratory, Inc.

WO#:

1510133 13-Oct-15

Client:

Dixon Sandoval

Project:

Rucker Lake No 2

Sample ID 1510133-001AMSD

SampType: MSD

TestCode: EPA Method 8021B: Volatiles

Client ID: 01-5pt bottom

Batch ID: 21694

RunNo: 29364

Prep Date: 10/6/2015

Units: mg/Kg

Analysis Date: 10/7/2015

SeqNo: 893324

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qua
Xylenes, Total	3.1	0.097	2.904	0	108	78.9	133	2.86	20	
Surr: 4-Bromofluorobenzene	1.1		0.9681		112	80	120	0	0	

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix D
- 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
- E Value above quantitation range
- Analyte detected below quantitation limits J
- P Sample pH Not In Range
- Reporting Detection Limit

Page 9 of 9



tian Environmenia Anaysis cammainy 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107

Sample Log-In Check List

Website: www.hallenvironmental.com DIXON SANDOVAL Work Order Number: 1510133 RcptNo: 1 Client Name: Received by/date 10/2/2015 2:10:00 PM Logged By: Lindsay Mangin 10/5/2015 12:38:59 PM Completed By Lindsay Mangin 10/05/15 Reviewed By Chain of Custody Not Present ✓ Yes 1. Custody seals intact on sample bottles? No Not Present Yes V 2. Is Chain of Custody complete? 3 How was the sample delivered? Client Log In NA No Yes V 4. Was an attempt made to cool the samples? NA Were all samples received at a temperature of >0° C to 6.0°C Yes Approved by client No Yes V 6. Sample(s) in proper container(s)? No 7. Sufficient sample volume for indicated test(s)? 8. Are samples (except VOA and ONG) properly preserved? NA 9. Was preservative added to bottles? No No VOA Vials Yes 10. VOA vials have zero headspace? Yes No V 11. Were any sample containers received broken? # of preserved bottles checked No for pH: 12. Does paperwork match bottle labels? (<2 or >12 unless noted) (Note discrepancies on chain of custody) Adjusted? No 13 Are matrices correctly identified on Chain of Custody? No 14. Is it clear what analyses were requested? Checked by: No Yes 🗸 15. Were all holding times able to be met? (If no, notify customer for authorization.) Special Handling (if applicable) Yes No NA V 16. Was client notified of all discrepancies with this order? Date Person Notified: In Person By Whom: Via eMail Phone Fax Regarding: Client Instructions: 17. Additional remarks 18. Cooler Information Condition | Seal Intact | Seal No | Seal Date Signed By Cooler No Temp °C

21.4

Good

Not Present

Chain-or-Custody Record			Turn-Around Time:							-	IAI		FN	v	TR	20	N	ИF	NT	ΔΙ		
Client:	MM	A 00	erating	Standard					1.00											TC		
~	7 :	- 6	(Project Name	:								.hall									
Mailing	Address	70B	andoval.	Rucher Project#: Waste	- Lake. M	10.2			490	01 H			E -						109			
	7	100	NW 87528	Project #:	1 - (<i>t</i>			Te	l. 50	5-34	5-39	75	F	ax 5	505-	345-	4107	7			
Phone:	#: 57	5-22	NM 87528 5-8048	Waste	Diltank	5017	2						Ar	naly	sis	Requ	uest					
email o	r Fax#:	aksano	lova 120100g mail com	Project Mana	ger:			_	(ýl	0					(4)							T
QA/QC I	Package:	1.				(021	s or	MA			<u>@</u>		S, S	B's						
% Stan			☐ Level 4 (Full Validation)	Dixon	Sandor	a)		s (8	(Ga	30			SIMS)	1	9	PC PC						
Accredi				Sampler:				MB	H	JO /	=	=	8270 8		9	308						9
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□ EDD	(Type)			Sample Tem	perature: ZJ	,4		-BE	BE	(G	po 7	po	00	etal	Z,	side	F	>-	2			>
Date)-0 <i>1-15</i>	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HE	EAL No. 33 -001	BTEX + MT	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Meth	EDB (Method 504.1)	PAH's (8310 or	RCRA 8 Metals	Anions (F,CI,NO3,NO2,PO4,SO4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Chloride			Air Bubbles (Y or N)
1-61-15	12.47	C 1	02-5pt. SE wall 03-5pt. NW wall.				-00		7	1									1			T
N-18	10:14	301	12	glass.	ue		-005		7	1				\neg					7		\top	
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Date:	Time:	Relinquish	ed by: A A	Received by	1	/ Date	Time	Rar	narks	s.												
-62-15	1410	by	Legeon	J	10	1 1	5 1410	I VEI	Halk	J.												
Date:	Time:	Relinquish	ed by:	Received by:	V	Date	Time															