

2RP-3660

Investigation Summary and Work Plan

Parker Deep 5 Fed Com #3

June 23, 2016

Introduction

This summary and work plan by Matador Resources details knowledge and plans for remediation of the Parker Deep 5 Fed Com # 3 spill on April 24, 2016. The Parker Deep 5 Fed Com # 3 is located in Section 5, Township 18S, Range 31E of Eddy County, NM. This is a federal lease. The geodetic position is 32°46.32132 N, 103°53.63434W. The release occurred April 24, 2016. Approximately 10 barrels of fluid leaked into the containment from a hole in the fire tube in the heater treater. Less than 1 barrel was recovered from the ground. The release was reported to the New Mexico Oil Conservation Division Artesia office on April 24, 2016. OCD issued remediation project (RP) number 2RP-3660. Attachments include surveys, pictures, and map.

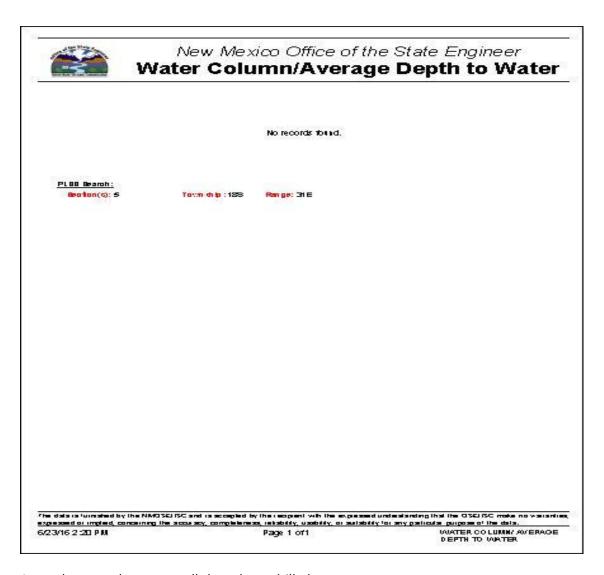
Setting

The setting is as follows:

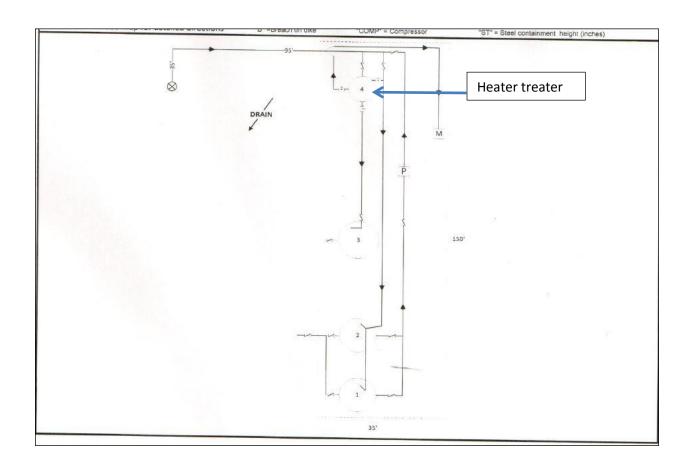
- The surface elevation is approximately 3,698 feet above sea level.
- The topography is undulating sands with Kermit Berino fine sands.
- Groundwater depth is unknown or not present according to records from the New Mexico Office of the State Engineer (OSE)
- No fresh water wells in the area. (See attached OSE water well reports)

Remediation Action

Collect soil samples at a minimum depth of 24 inches below surface near fire source to be analyzed by Hall Environmental Labs in Albuquerque, NM. Upon return of results, determine whether or not soil needs to be remediated deeper than 24 inches below surface.



As can be seen above, no wells have been drilled.



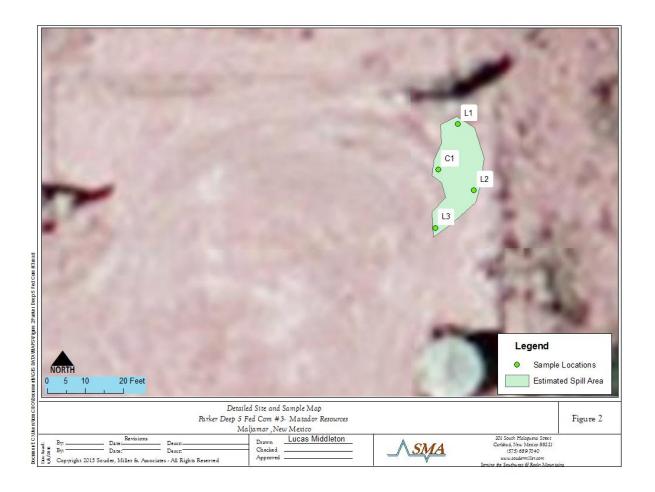






Remediation Actions

Soil samples were collected as shown on the attached plat at the surface around the spill site.



The table depicting the results BTEX, TPH, and Chlorides is shown below.

Analytical Report- 160A71	Sample Number on Figure 2 Map	Sample Date	Depth	BTEX ppm	Benzene mg/Kg	GRO mg/Kg	DRO mg/Kg	CI- mg/Kg
160A71- 001	C1	5/20/2016	Surface	N/A	N/A	640	27,600	140
160A71- 002	L1-1	5/20/2016	1'	279.21	0.21	2,000	6,700	N/A
160A71- 003	L1-2	5/20/2016	2'	N/A	N/A	BDL	130	260
160A71- 004	L2-1	5/20/2016	1'	1.33	BDL	39	244	N/A
160A71- 005	L2-2	5/20/2016	2'	N/A	N/A	BDL	75	N/A
160A71- 006	L2-3	5/20/2016	3'	306.4	1.4	3,700	10,100	49
160A71- 007	L3-1	5/20/2016	1'	N/A	N/A	N/A	N/A	BDL
160A71- 008	L3-2	5/20/2016	2'	121	N/A	11	246	BDL

The results of the soil analysis are attached for further investigation. Matador proposes to remove up to 4 feet of contaminated soil and replace with top soil from a local vendor.

Lab Order 1605A71

Date Reported: 6/7/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates Client Sample ID: C1

 Project:
 Parker Deep 5 Fed 3
 Collection Date: 5/20/2016 2:00:00 PM

 Lab ID:
 1605 A71-001
 Matrix:
 SOIL
 Received Date: 5/24/2016 9:40:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analys	том
Petroleum Hydrocarbons, TR	44000	1900		mg/Kg	100	5/27/2016	25529
EPA METHOD 300.0: ANIONS						Analys	LGT
Chloride	140	30		mg/Kg	20	5/26/2016 3:57:48 PM	25539
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS	3				Analys	JME
Diesel Range Organics (DRO)	18000	960		mg/Kg	100	6/3/2016 7:45:27 PM	25629
Motor Oil Range Organics (MRO)	9600	4800		mg/Kg	100	6/3/2016 7:45:27 PM	25629
Surr: DNOP	0	70-130	S	%Rec	100	6/3/2016 7:45:27 PM	25629
EPA METHOD 8015D: GASOLINE R	ANGE					Analys	NSB
Gasoline Range Organics (GRO)	640	50		mg/Kg	10	6/2/2016 9:58:40 AM	25622
Surr: BFB	363	80-120	S	%Rec	10	6/2/2016 9:58:40 AM	25622

Analytical Report

Lab Order **1605A71**Date Reported: **6/7/2016**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates Client Sample ID: L1-1

 Project:
 Parker Deep 5 Fed 3
 Collection Date: 5/20/2016 2:00:00 PM

 Lab ID:
 1605 A71-002
 Matrix:
 SOIL
 Received Date: 5/24/2016 9:40:00 AM

Analyses	Result	PQL (Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analys	том
Petroleum Hydrocarbons, TR	12000	1900		mg/Kg	100	5/27/2016	25529
EPA METHOD 8015M/D: DIESEL RAN	IGE ORGANICS	3				Analys	JME
Diesel Range Organics (DRO)	5200	96		mg/Kg	10	6/3/2016 3:05:07 PM	25629
Motor Oil Range Organics (MRO)	1500	480		mg/Kg	10	6/3/2016 3:05:07 PM	25629
Surr: DNOP	0	70-130	S	%Rec	10	6/3/2016 3:05:07 PM	25629
EPA METHOD 8015D: GASOLINE RA	NGE					Analys	NSB
Gasoline Range Organics (GRO)	2000	98		mg/Kg	20	5/25/2016 8:32:48 PM	25461
Surr: BFB	543	80-120	S	%Rec	20	5/25/2016 8:32:48 PM	25461
EPA METHOD 8021B: VOLATILES						Analys	: NSB
Methyl tert-butyl ether (MTBE)	ND	0.098		mg/Kg	1	5/25/2016 1:06:32 PM	25461
Benzene	0.21	0.025		mg/Kg	1	5/25/2016 1:06:32 PM	25461
Toluene	26	0.98		mg/Kg	20	5/25/2016 8:32:48 PM	25461
Ethylbenzene	12	0.98		mg/Kg	20	5/25/2016 8:32:48 PM	25461
Xylenes, Total	92	2.0		mg/Kg	20	5/25/2016 8:32:48 PM	25461
Surr: 4-Bromofluorobenzene	149	80-120	S	%Rec	20	5/25/2016 8:32:48 PM	25461

Lab Order 1605A71

Date Reported: 6/7/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates Client Sample ID: L1-2

 Project:
 Parker Deep 5 Fed 3
 Collection Date: 5/20/2016 2:00:00 PM

 Lab ID:
 1605 A71-003
 Matrix: SOIL
 Received Date: 5/24/2016 9:40:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH					Analys	t: TOM
Petroleum Hydrocarbons, TR	260	20	mg/Kg	1	5/27/2016	25529
EPA METHOD 8015M/D: DIESEL RAI	NGE ORGANICS	3			Analys	it: JME
Diesel Range Organics (DRO)	73	9.3	mg/Kg	1	6/3/2016 5:53:59 PM	25629
Motor Oil Range Organics (MRO)	57	47	mg/Kg	1	6/3/2016 5:53:59 PM	25629
Surr: DNOP	93.0	70-130	%Rec	1	6/3/2016 5:53:59 PM	25629
EPA METHOD 8015D: GASOLINE RA	NGE				Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	6/2/2016 1:00:26 PM	25622
Surr: BFB	108	80-120	%Rec	1	6/2/2016 1:00:26 PM	25622

Analytical Report

Lab Order 1605A71

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 6/7/2016

CLIENT: Souder, Miller & Associates Client Sample ID: L2-1

 Project:
 Parker Deep 5 Fed 3
 Collection Date: 5/20/2016 2:00:00 PM

 Lab ID:
 1605A71-004
 Matrix:
 SOIL
 Received Date: 5/24/2016 9:40:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analyst	том
Petroleum Hydrocarbons, TR	720	20		mg/Kg	1	5/27/2016	25529
EPA METHOD 8015M/D: DIESEL RAN	IGE ORGANICS	\$				Analyst	JME
Diesel Range Organics (DRO)	160	9.3		mg/Kg	1	6/3/2016 6:22:06 PM	25629
Motor Oil Range Organics (MRO)	84	47		mg/Kg	1	6/3/2016 6:22:06 PM	25629
Surr: DNOP	92.9	70-130		%Rec	1	6/3/2016 6:22:06 PM	25629
EPA METHOD 8015D: GASOLINE RA	NGE					Analyst	NSB
Gasoline Range Organics (GRO)	39	4.7		mg/Kg	1	5/25/2016 10:07:06 PM	25461
Surr: BFB	267	80-120	S	%Rec	1	5/25/2016 10:07:06 PM	25461
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Methyl tert-butyl ether (MTBE)	ND	0.094		mg/Kg	1	5/25/2016 10:07:06 PM	25461
Benzene	ND	0.023		mg/Kg	1	5/25/2016 10:07:06 PM	25461
Toluene	0.22	0.047		mg/Kg	1	5/25/2016 10:07:06 PM	25461
Ethylbenzene	0.16	0.047		mg/Kg	1	5/25/2016 10:07:06 PM	25461
Xylenes, Total	0.95	0.094		mg/Kg	1	5/25/2016 10:07:06 PM	25461
Surr: 4-Bromofluorobenzene	128	80-120	S	%Rec	1	5/25/2016 10:07:06 PM	25461

Lab Order 1605A71

Date Reported: 6/7/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: L2-2

 Project:
 Parker Deep 5 Fed 3
 Collection Date: 5/20/2016 2:00:00 PM

 Lab ID:
 1605 A71-005
 Matrix:
 SOIL
 Received Date: 5/24/2016 9:40:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH					Analyst	том
Petroleum Hydrocarbons, TR	240	20	mg/Kg	1	5/27/2016	25529
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS	3			Analyst	JME
Diesel Range Organics (DRO)	76	9.6	mg/Kg	1	6/3/2016 6:49:55 PM	25629
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	6/3/2016 6:49:55 PM	25629
Surr: DNOP	106	70-130	%Rec	1	6/3/2016 6:49:55 PM	25629
EPA METHOD 8015D: GASOLINE R	ANGE				Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/2/2016 1:23:58 PM	25622
Surr: BFB	120	80-120	%Rec	1	6/2/2016 1:23:58 PM	25622

Analytical Report

Lab Order 1605A71

Date Reported: 6/7/2016

Hall Environmental Analysis Laboratory, Inc.

 CLIENT:
 Souder, Miller & Associates
 Client Sample ID: L2-3

 Project:
 Parker Deep 5 Fed 3
 Collection Date: 5/20/2016 2:00:00 PM

Lab ID: 1605A71-006 Matrix: SOIL Received Date: 5/24/2016 9:40:00 AM

Analyses	Result	PQL (Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analyst	том
Petroleum Hydrocarbons, TR	21000	1900		mg/Kg	100	5/27/2016	25529
EPA METHOD 300.0: ANIONS						Analyst	LGT
Chloride	49	30		mg/Kg	20	5/26/2016 4:10:12 PM	25539
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS	3				Analyst	JME
Diesel Range Organics (DRO)	7900	95		mg/Kg	10	6/3/2016 4:29:53 PM	25629
Motor Oil Range Organics (MRO)	2200	480		mg/Kg	10	6/3/2016 4:29:53 PM	25629
Surr: DNOP	0	70-130	S	%Rec	10	6/3/2016 4:29:53 PM	25629
EPA METHOD 8015D: GASOLINE RAI	NGE					Analyst	NSB
Gasoline Range Organics (GRO)	3700	230		mg/Kg	50	5/25/2016 10:03:47 AM	25461
Surr: BFB	371	80-120	S	%Rec	50	5/25/2016 10:03:47 AM	25461
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Methyl tert-butyl ether (MTBE)	ND	4.7		mg/Kg	50	5/25/2016 10:03:47 AM	25461
Benzene	1.4	1.2		mg/Kg	50	5/25/2016 10:03:47 AM	25461
Toluene	69	2.3		mg/Kg	50	5/25/2016 10:03:47 AM	25461
Ethylbenzene	28	2.3		mg/Kg	50	5/25/2016 10:03:47 AM	25461
Xylenes, Total	210	4.7		mg/Kg	50	5/25/2016 10:03:47 AM	25461
Surr: 4-Bromofluorobenzene	137	80-120	S	%Rec	50	5/25/2016 10:03:47 AM	25461

Lab Order 1605A71

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 6/7/2016

CLIENT: Souder, Miller & Associates

Client Sample ID: L3-1

mg/Kg

Project: Parker Deep 5 Fed 3

Collection Date: 5/20/2016 2:00:00 PM

Lab ID: 1605A71-007

Chloride

Received Date: 5/24/2016 9:40:00 AM

Analyses	Result	PQL Qual Units	DF Date Analyzed	Batch
EPA METHOD 300.0: ANIONS			Anal	yst: LGT

30

Matrix: SOIL

ND

Analytical Report

20 5/26/2016 4:22:37 PM 25539

Lab Order 1605A71 Date Reported: 6/7/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates Client Sample ID: L3-2

Project: Parker Deep 5 Fed 3 Collection Date: 5/20/2016 2:00:00 PM Lab ID: 1605A71-008 Matrix: SOIL Received Date: 5/24/2016 9:40:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analys	том
Petroleum Hydrocarbons, TR	370	20		mg/Kg	1	5/27/2016	25529
EPA METHOD 300.0: ANIONS						Analys	LGT
Chloride	ND	30		mg/Kg	20	5/26/2016 4:35:01 PM	25539
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS	3				Analys	JME
Diesel Range Organics (DRO)	160	9.8		mg/Kg	1	6/3/2016 7:17:39 PM	25629
Motor Oil Range Organics (MRO)	86	49		mg/Kg	1	6/3/2016 7:17:39 PM	25629
Surr: DNOP	95.4	70-130		%Rec	1	6/3/2016 7:17:39 PM	25629
EPA METHOD 8015D: GASOLINE RAI	VGE					Analys	: NSB
Gasoline Range Organics (GRO)	11	5.0		mg/Kg	1	5/25/2016 1:53:29 PM	25461
Surr. BFB	172	80-120	S	%Rec	1	5/25/2016 1:53:29 PM	25461
EPA METHOD 8021B: VOLATILES						Analys	: NSB
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	5/25/2016 1:53:29 PM	25461
Benzene	ND	0.025		mg/Kg	1	5/25/2016 1:53:29 PM	25461
Toluene	ND	0.050		mg/Kg	1	5/25/2016 1:53:29 PM	25461
Ethylbenzene	ND	0.050		mg/Kg	1	5/25/2016 1:53:29 PM	25461
Xylenes, Total	ND	0.10		mg/Kg	1	5/25/2016 1:53:29 PM	25461
Surr: 4-Bromofluorobenzene	121	80-120	S	%Rec	1	5/25/2016 1:53:29 PM	25461

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1605A71 07-Jun-16**

Client: Souder, Miller & Associates
Project: Parker Deep 5 Fed 3

Sample ID MB-25539 SampType: mblk TestCode: EPA Method 300.0: Anions

 Client ID:
 PBS
 Batch ID:
 25539
 RunNo:
 34533

 Prep Date:
 5/26/2016
 Analysis Date:
 5/26/2016
 SeqNo:
 1065112
 Units: mg/kg

Chloride ND 1.5

Sample ID LCS-25539 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 25539 RunNo: 34533

Prep Date: 5/26/2016 Analysis Date: 5/26/2016 SeqNo: 1065113 Units: mg/Kg

 Analyte
 Result
 PQL
 SPK value
 SPK Ref Val
 %REC
 LowLimit
 HighLimit
 %RPD
 RPDLimit
 Qual

 Chloride
 14
 1.5
 15.00
 0
 93.0
 90
 110

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

1605A71 07-Jun-16

WO#:

Client: Souder, Miller & Associates
Project: Parker Deep 5 Fed 3

Sample ID MB-25629 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: PBS Batch ID: 25629 RunNo: 34675

Prep Date: 6/2/2016 Analysis Date: 6/3/2016 SeqNo: 1069818 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Diesel Range Organics (DRO) ND 10 Motor Oil Range Organics (MRO) ND 50

Surr. DNOP 8.9 10.00 89.3 70 130

Sample ID LCS-25629 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: LCSS Batch ID: 25629 RunNo: 34675

Prep Date: 6/2/2016 Analysis Date: 6/3/2016 SeqNo: 1069819 Units: mg/Kg

PQL SPK value SPK Ref Val %REC LowLimit %RPD RPDLimit Analyte Result HighLimit Qual Diesel Range Organics (DRO) 52 10 50.00 104 124 62.6 Surr: DNOP 4.3 5.000 85.2 70 130

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

Client: Souder, Miller & Associates Project: Parker Deep 5 Fed 3

Sample ID MB-25461 SampType: MBLK Test Code: EPA Method 8015D: Gasoline Range Client ID: PBS Batch ID: 25461 RunNo: 34464

Prep Date: 5/24/2016 Analysis Date: 5/25/2016 SeqNo: 1063427 Result PQL SPK value SPK Ref Val % REC LowLimit HighLimit % RPD RPDLimit

Gasoline Range Organics (GRO) ND 1100 1000 120 Surr. BFB 110 80

Sample ID LCS-25461 SampType: LCS Test Code: EPA Method 8015D: Gasoline Range Client ID: LCSS Batch ID: 25461 RunNo: 34464 Prep Date: 5/24/2016 Analysis Date: 5/25/2016 SeqNo: 1064053 Units: mg/Kg Result PQL SPK value SPK Ref Val % REC LowLimit HighLimit Analyte %RPD RPDLimit Qual Gasoline Range Organics (GRO) 23 5.0 2500 93.9 120 1200 121 80 120 s Surr. BFB

Sample ID MB-25622 SampType: MBLK Test Code: EPA Method 8015D: Gasoline Range Client ID: PBS Batch ID: 25622 RunNo: 34635 Analysis Date: 6/2/2016 Prep Date: 6/1/2016 SeqNo: 1068922 Units: mg/Kg Result PQL SPK value SPK Ref Val % REC LowLimit HighLimit %RPD RPDLimit Analyte Qual Gasoline Range Organics (GRO) ND 5.0 Surr. B FB 1100 1000 106 80 120

SampType: LCS Sample ID LCS-25622 Test Code: EPA Method 8015D: Gasoline Range Client ID: LCSS Batch ID: 25622 RunNo: 34635 Prep Date: 6/1/2016 Analysis Date: 6/2/2016 SeqNo: 1068923 Units: ma/Ka Result PQL SPK value SPK Ref Val % REC LowLimit HighLimit %RPD RPDLimit Analyte Qual

26 2500 103 5.0 80 120 Gasofine Range Organics (GRO) s 1600 1000 161 80 120 Surr. BFB

Qualifiers:

- Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding times for preparation or ara lysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepte direcovery limits
- % Recovery outside of range due to dibition or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quartitation limits
- Sample pH Not In Range
- RL Reporting Detection Limit.
- W Sample container temperature is out of limit as specified

Page 12 of 13

1605A71

07-Jun-16

WO#

Units: mg/Kg

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

Souder, Miller & Associates Client: Project: Parker Deep 5 Fed 3

Sample ID MB-25461	SampT	ype: ME	BLK	Tes	Test Code: EPA Method 8021B: Volatiles					
Client ID: PBS	Batch	Batch ID: 25461		RunNo: 34464						
Prep Date: 5/24/2016	Analysis D	Date: 5/	25/2016		SeqNo: 1	063448	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
weth yi te it-butyl eth er (MTBE)	ND	0.10					120			
Ве пиеп е	ND	0.025								
Гоіце пе	ND	0.050								
Ethyb enze ne	ND	0.050								
cylenes, Total	ND	0.10								
Surr. 4-B rom offuo ro benze ne	1.1		1 000		114	80	120			

Sample ID LCS-25461	Samp1	Type: LC	S	Tes	Test Code: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batc	h ID: 25	461	1E	tunNo: 3	4464					
rep Date: 5/24/2016 Analysis Date: 5/25/2016		SeqNo: 1063449			Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Methyl tert-butyl ether (MTBE)	1,1	0.10	1 000	0	111	61	143				
Велгеле	1.1	0.025	1 000	0	106	75.3	123				
Tolue ne	1.1	0.050	1 000	0	106	80	124				
Ethyb enzene	1.0	0.050	1 000	0	103	82.8	121				
Xylenes, Total	3.1	0.10	3 000	0	103	83.9	122				
Surr: 4-B rom offuor ob enze ne	1.2		1 000		118	80	120				

Sure & Diver	ABuara hanna na	1.0		1.000		105	90	120			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Prep Date:	6M/2016	Analysis D	Date: 6	2/2016		SeqNo: 1	068955	Units: %Red	2		
Client ID:	PBS	Batch	1D: 25	622	F	RunNo: 3	4635				
Sample ID	MB-25622	SampT	ype: Mi	BLK	Tes	tCode: E	PA Method	8021B: Volat	iles		

Sure 4 Pron	n office to honzo no	1.1	- V. C. V. V.	1.000	SALUE SALUE SALUE	100	90	120	100000000000000000000000000000000000000		7.50075
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Prep Date:	6/1/2016	Analysis D	Date: 6	2/2016	\$	SeqNo: 1	068984	Units: %Red	3		
Client ID:	LCSS	Batch	ID: 25	622	F	RunNo: 3	4635				
Sample ID	LCS-25622	SampT	ype: LC	s	Tes	tCode: E	PA Method	8021B: Volat	iles		

Qualifiers:

- Value exceeds Maximum Contaminant Level
- D Sample Dibated Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit. R RPD outside accepte direcovery limits
- S % Recovery outside of range due to dibution or matrix
- B Analyte detected in the associated Method Blank
- Value above quantitation range E
- 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 13 of 13

1605A71

07-Jun-16

HALL ENVIRONMENTAL ANALYSIS

Hall Environmental Analysis Laboratory 4901 Hawkins RE
Albuquerque, NM 87109
TEL: 505-345-3075 FAX: 505-345-4107

Client Name: SMA-CARLSBAD	Work	Order Numb	er: 1605A71		RcptNo	1
Received by/date: Sa 05	5/04/	10				
Logged By: Asylley Gallegos	5/24/201	6 9:40:00	M	A		
Completed By: Ashley Gallegos		6 11:07:16		A		
Reviewed By:	05	124/10		- 0		
Chain of Custody	001	-111				
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						
Was an attempt made to cool the same	ples?		Yes 🖈	No 🗆	NA 🗆	
	500959		12 37550			
Were all samples received at a temper	ature 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) p	roperly preserv	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	
					bottles checked	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custod	v)		Yes 🗹	No 🗔	for pH: (<2	or >12 unless notes
13. Are matrices correctly identified on Cha	V (027)	,	Yes 🗭	No 🗆	Adjusted?	
[4, Is it clear what analyses were requeste	93		Yes 🐼	No 🗆		
15. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes 🖃	No 🗆	Checked by:	
Special Handling (If applicable)						
16. Was client notified of all discrepancies	with this order	,	Yes 🗌	No 🗔	NA 🗷	
Person Notified:		Date	r			P.
By Whom:	THE RESERVE OF THE PERSON NAMED IN	Via:	*	Phone Fax	☐ In Person	
Regarding:			-	MANAGEMENT AND		7
Client Instructions:	ACCORDINATION OF THE PARTY OF T	With Children was		****	PRINCE CONTRACTOR OF THE PRINCE OF THE PRINC	
17. Additional remarks:						4.1
18. Cooler Information						
Cooler No Temp °C Condition	Seal Intact	Seal No	Seal Date	Signed By	F=	
1 2.6 Good	Yes			83% 93.50	1	

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	Project #:		Te	Tel. 505-345-3975	345-3	375	Fax	505-3	Fax 505-345-4107	7		
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7	Project Manager:			(0)	211	3397 ((,C	_		_	1000	
□ evel 4 (Full Validation)	Thirty W.	X X		W/C	11-	(SW)S'*O					
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Other	On loe: XY Yes	□ No				728	N'E		()			N.
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Matrix Sample Request ID	Container Preservative Type and # Type	HEAL NO.	3TM + X3T8 3TM + X3T8	82108 H9T	TPH (Metho	0168) s'HA9	BOM 8 ARIORA Prions (PC)	iotise9 1808	AOV) 808S8 -imə8) 07S8		383) səldduð ij
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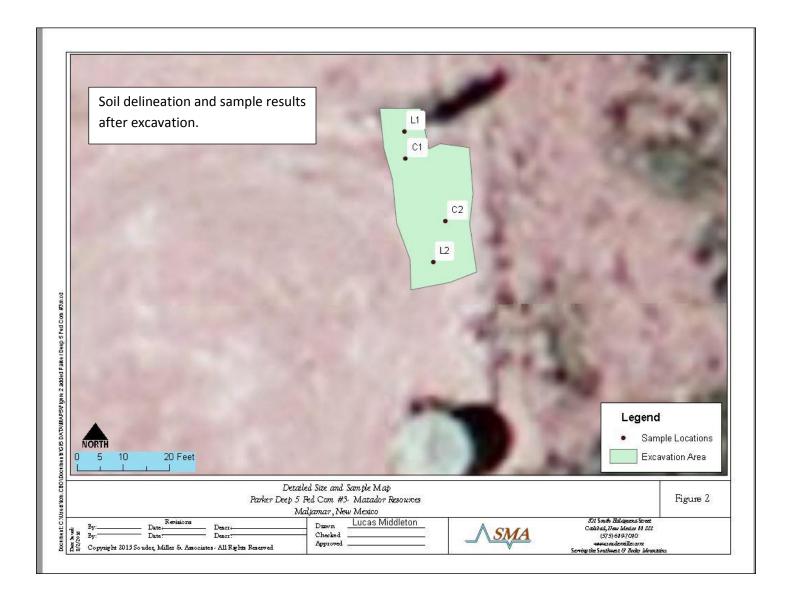


Table 1: Summary of Chloride Field Screening Results

Parker Deep 5 Fed Com 3

Baseline
7/29/16

		FIELD SCREENING RE	SULTS SUMMA	RY	
Date	Time	Field Screening Reference	Sample Depth (Feet BGS)	Chlorides Results	Lab Sample Collected Y/N
7/29/2016	9:00	L1	1.5'	73	Υ
7/29/2016	9:00	C1	0.5'	73	Υ
7/29/2016	9:00	L2	1.5'	16	Y
7/29/2016	9:00	C2	0.5'	12	Y

Parker Deep 5 Fed Com 3 Baseline 7/29/16

Table 3: Summary of Site PID Field Screening Results

FIELD SCREENING RESULTS SUMMARY									
Date	Time	Field Screening Reference	Sample Depth (Feet BGS)	PID Reading	Lab Sample Collected Y/N				
7/29/2016	9:00	L1	1.5'	8	Y				
7/29/2016	9:00	C1	0.5'	72	Y				
7/29/2016	9:00	L2	1.5'	0	Y				
7/29/2016	9:00	C2	0.5'	9	Υ				