



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

October 17, 2018

Jason Herman
NMED
1190 St Francis Dr
N2300
Santa Fe, NM 87502
TEL: (505) 476-3777
FAX

RE: S and R Septic

OrderNo.: 1810178

Dear Jason Herman:

Hall Environmental Analysis Laboratory received 1 sample(s) on 10/2/2018 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued October 12, 2018.

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. 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. All samples are reported as received unless otherwise indicated.

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

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
 Lab Order 1810178
 Date Reported: 10/17/2018

CLIENT: NMED **Client Sample ID:** Cell #13 2417332
Project: S and R Septic **Collection Date:** 10/1/2018 12:00:00 PM
Lab ID: 1810178-001 **Matrix:** SOIL **Received Date:** 10/2/2018 4:40:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
OIL AND GREASE, T/R							Analyst: CLP
Oil & Grease, Total Recoverable	4500	470		mg/Kg	5	10/9/2018 1:50:00 PM	40873
EPA METHOD 418.1: TPH							Analyst: CLP
Petroleum Hydrocarbons, TR	1900	470		mg/Kg	5	10/9/2018	40873
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	460	100		mg/Kg	10	10/16/2018 12:44:40 PM	41010
Motor Oil Range Organics (MRO)	2600	500		mg/Kg	10	10/16/2018 12:44:40 PM	41010
Surr: DNOP	0	50.6-138	S	%Rec	10	10/16/2018 12:44:40 PM	41010

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

Qualifiers:		
*	Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E Value above quantitation range
H	Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P Sample pH Not In Range
PQL	Practical Quantitative Limit	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.

WO#: 1810178

17-Oct-18

Client: NMED
Project: S and R Septic

Sample ID: MB-40873	SampType: MBLK	TestCode: OIL and GREASE, T/R
Client ID: PBS	Batch ID: 40873	RunNo: 54743
Prep Date: 10/8/2018	Analysis Date: 10/9/2018	SeqNo: 1817248 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Oil & Grease, Total Recoverable	ND	20

Sample ID: LCS-40873	SampType: LCS	TestCode: OIL and GREASE, T/R
Client ID: LCSS	Batch ID: 40873	RunNo: 54743
Prep Date: 10/8/2018	Analysis Date: 10/9/2018	SeqNo: 1817249 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Oil & Grease, Total Recoverable	93	20 100.0 0 92.5 84.7 129

Sample ID: LCSD-40873	SampType: LCSD	TestCode: OIL and GREASE, T/R
Client ID: LCSS02	Batch ID: 40873	RunNo: 54743
Prep Date: 10/8/2018	Analysis Date: 10/9/2018	SeqNo: 1817250 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Oil & Grease, Total Recoverable	94	20 100.0 0 93.8 84.7 129 1.33 20

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Value above quantitation range |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | 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.

WO#: 1810178

17-Oct-18

Client: NMED
Project: S and R Septic

Sample ID	MB-40873	SampType	MBLK	TestCode	EPA Method 418.1: TPH					
Client ID	PBS	Batch ID	40873	RunNo	54860					
Prep Date	10/8/2018	Analysis Date	10/9/2018	SeqNo	1823032	Units	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	ND	20								

Sample ID	LCS-40873	SampType	LCS	TestCode	EPA Method 418.1: TPH					
Client ID	LCSS	Batch ID	40873	RunNo	54860					
Prep Date	10/8/2018	Analysis Date	10/9/2018	SeqNo	1823033	Units	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	92	20	100.0	0	92.5	84.7	129			

Sample ID	LCSD-40873	SampType	LCSD	TestCode	EPA Method 418.1: TPH					
Client ID	LCSS02	Batch ID	40873	RunNo	54860					
Prep Date	10/8/2018	Analysis Date	10/9/2018	SeqNo	1823034	Units	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	94	20	100.0	0	93.8	84.7	129	1.39	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
- PQL Practical Quantitative Limit
- 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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1810178

17-Oct-18

Client: NMED
Project: S and R Septic

Sample ID	LCS-41010	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	41010	RunNo:	54897					
Prep Date:	10/15/2018	Analysis Date:	10/16/2018	SeqNo:	1824706	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	10	50.00	0	84.3	70	130			
Surr: DNOP	4.8		5.000		96.6	50.6	138			

Sample ID	LCSD-41010	SampType:	LCSD	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS02	Batch ID:	41010	RunNo:	54897					
Prep Date:	10/15/2018	Analysis Date:	10/16/2018	SeqNo:	1824707	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	85.7	70	130	1.70	20	
Surr: DNOP	5.0		5.000		99.7	50.6	138	0	0	

Sample ID	MB-41010	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	41010	RunNo:	54897					
Prep Date:	10/15/2018	Analysis Date:	10/16/2018	SeqNo:	1824708	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	9.9		10.00		99.1	50.6	138			

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
- PQL Practical Quantitative Limit
- 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

Sample Log-In Check List

Client Name: **NMED Santa Fe**

Work Order Number: **1810178**

RcptNo: **1**

Received By: **Ashley Gallegos** 10/2/2018 4:40:00 PM

Completed By: **Ashley Gallegos** 10/3/2018 9:21:41 AM

Reviewed By: **AT 10/03/18**

labeled by: **JAB 10/03/18**

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
 2. How was the sample delivered? Client

Log In

3. Was an attempt made to cool the samples? Yes No NA
 4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
 5. Sample(s) in proper container(s)? Yes No
 6. Sufficient sample volume for indicated test(s)? Yes No
 7. Are samples (except VOA and ONG) properly preserved? Yes No
 8. Was preservative added to bottles? Yes No NA
 9. VOA vials have zero headspace? Yes No No VOA Vials
 10. Were any sample containers received broken? Yes No
 11. Does paperwork match bottle labels? Yes No
 (Note discrepancies on chain of custody)
 12. Are matrices correctly identified on Chain of Custody? Yes No
 13. Is it clear what analyses were requested? Yes No
 14. Were all holding times able to be met? Yes No
 (If no, notify customer for authorization.)

of preserved bottles checked for pH:

(-2 or +12 units noted)

Adjusted?

Checked by: **JAB 10/03/18**

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes No NA

Person Notified: _____ Date: _____
 By Whom: _____ Via: eMail Phone Fax In Person
 Regarding: _____
 Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.3	Good	Not Present			