

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

December 26, 2018

Jason Herman NMED-GWQB PO BOX 5469 Rm S4051 Santa Fe, NM 87502

TEL: (505) 827-2909

FAX

RE: S and R Septic

OrderNo.: 1812981

Dear Jason Herman:

Hall Environmental Analysis Laboratory received 1 sample(s) on 12/17/2018 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 #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 1812981

Date Reported: 12/26/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: NMED-GWQB Project: S and R Septic

Lab ID: 1812981-001

Client Sample ID: SW Organics 1841 Cell#2

Collection Date: 12/17/2018 2:15:00 PM

Received Date: 12/17/2018 3:50:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
OIL AND GREASE, T/R						Analys	t: CLP
Oil & Grease, Total Recoverable	400	20		mg/Kg	1	12/19/2018	42192
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS					Analys	t: Irm
Diesel Range Organics (DRO)	92	9.7		mg/Kg	1	12/21/2018 2:10:26 PM	1 42209
Motor Oil Range Organics (MRO)	270	49		mg/Kg	1	12/21/2018 2:10:26 PM	42209
Surr: DNOP	95.9	50.6-138		%Rec	1	12/21/2018 2:10:26 PM	42209
EPA METHOD 8015D: GASOLINE RANGE						Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/19/2018 12:28:19 P	M 42178
Surr: BFB	98.6	73.8-119		%Rec	1	12/19/2018 12:28:19 P	M 42178

Matrix: SOIL

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
- PQL Practical Quanitative Limit
 - % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits J Page 1 of 4
- P Sample pH Not In Range
- Reporting Detection Limit RL
- Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#:

1812981

26-Dec-18

Client:

NMED-GWQB

Project:

S and R Septic

Sample ID MB-42192

SampType: MBLK

TestCode: OIL and GREASE, T/R

Client ID: PBS

Batch ID: 42192

RunNo: 56458

Prep Date: 12/18/2018

Analysis Date: 12/19/2018

Result

SeqNo: 1888046

%REC LowLimit

Units: mg/Kg

HighLimit

RPDLimit

Qual

Analyte Oil & Grease, Total Recoverable

Sample ID LCS-42192

ND 20

SampType: LCS

TestCode: OIL and GREASE, T/R

Client ID: LCSS

Prep Date:

Batch ID: 42192

PQL

RunNo: 56458

SPK value SPK Ref Val

Units: mg/Kg

Analyte

12/18/2018

Analysis Date: 12/19/2018

SeqNo: 1888047

RPDLimit

Oil & Grease, Total Recoverable

Result

PQL SPK value SPK Ref Val

%REC 102

LowLimit

HighLimit %RPD

%RPD

Qual

Sample ID LCSD-42192

100

Result

100

SampType: LCSD

20

20

TestCode: OIL and GREASE, T/R RunNo: 56458

84.7

129

Prep Date: 12/18/2018

Client ID: LCSS02 Batch ID: 42192

Analysis Date: 12/19/2018

100.0

SeqNo: 1888048

%REC

Units: mg/Kg

RPDLimit Qual

Analyte

PQL SPK value SPK Ref Val

101

LowLimit 84.7

129

%RPD

Oil & Grease, Total Recoverable

100.0

HighLimit

1.13

Oualifiers:

- 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
- **PQL** Practical Quanitative Limit
- % 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
- P Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified

Page 2 of 4

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#:

1812981

26-Dec-18

Client:

NMED-GWQB

Project:

Analyte

Analyte

Surr: DNOP

S and R Septic

Sample ID MB-42209

SampType: MBLK

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

Client ID:

PBS

Batch ID: 42209

PQL

RunNo: 56431

Prep Date: 12/19/2018

Analysis Date: 12/20/2018

12

Result

SeqNo: 1890230

%REC LowLimit

Units: mg/Kg

RPDLimit

Qual

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

10.00

SPK value SPK Ref Val

SPK value SPK Ref Val

118

138

HighLimit

Sample ID LCS-42209

SampType: LCS

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

%RPD

Client ID: LCSS

Batch ID: 42209

RunNo: 56431

0

50.6

LowLimit

130

Prep Date: 12/19/2018

Result

Analysis Date: 12/20/2018

SeqNo: 1890231

%REC

Units: mg/Kg

HighLimit %RPD **RPDLimit** Qual

Diesel Range Organics (DRO) Surr: DNOP

PQL 60 10 50.00 5.4 5.000

119 70 109 50.6

138

Sample ID LCS-42209 Client ID: LCSS

SampType: LCS Batch ID: 42209

TestCode: EPA Method 8015M/D: Diesel Range Organics RunNo: 56431

Prep Date: 12/19/2018

Analysis Date: 12/21/2018

SeqNo: 1890696

Units: mg/Kg

%RPD

Analyte Diesel Range Organics (DRO) Result **PQL**

SPK value SPK Ref Val

LowLimit HighLimit

RPDLimit

Qual

Surr: DNOP

58 10 5.9 5.000

50.00

%REC 116 118

70 50.6

130 138

Qualifiers:

ND

Value exceeds Maximum Contaminant Level.

Sample Diluted Due to Matrix D

Η Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit PQL Practical Quanitative Limit

% 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 Page 3 of 4

P Sample pH Not In Range

RL Reporting Detection Limit

Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#:

1812981

26-Dec-18

Client:

NMED-GWQB

Project:

S and R Septic

Sample ID	MB-42178
Client ID:	DRC

SampType: MBLK Batch ID: 42178

TestCode: EPA Method 8015D: Gasoline Range

RunNo: 56473

Prep Date: 12/18/2018 Analysis Date: 12/19/2018

SeqNo: 1888352 LowLimit

Units: mg/Kg

Analyte

Result **PQL** SPK value SPK Ref Val

%REC

HighLimit

RPDLimit Qual

Gasoline Range Organics (GRO) ND 5.0

950

1000

25.00

1000

1000

94.7 73.8 119

Sample ID LCS-42178

SampType: LCS

TestCode: EPA Method 8015D: Gasoline Range

80.1

73.8

73.8

Client ID: LCSS Prep Date: 12/18/2018 Batch ID: 42178

RunNo: 56473

97.8

101

HighLimit

Sample ID MB-42210

Analysis Date: 12/19/2018 **PQL**

5.0

SeqNo: 1888353 SPK value SPK Ref Val %REC LowLimit Units: mg/Kg

123

119

%RPD

%RPD

%RPD

%RPD

RPDLimit Qual

Gasoline Range Organics (GRO) Surr: BFB

Surr: BFB

1000

24

SampType: MBLK

TestCode: EPA Method 8015D: Gasoline Range

Client ID: **PBS**

Batch ID: 42210

RunNo: 56489

Units: %Rec

119

Analyte Surr: BFB

Prep Date:

Analysis Date: 12/20/2018 SPK value SPK Ref Val

SeqNo: 1889749 %REC LowLimit

87.8

HighLimit

RPDLimit Qual

880

12/19/2018

12/19/2018

SampType: LCS

PQL

TestCode: EPA Method 8015D: Gasoline Range

Client ID: **LCSS**

Sample ID LCS-42210

Batch ID: 42210

RunNo: 56489

%REC

Analyte

Result

Analysis Date: 12/20/2018

SeqNo: 1889750

Units: %Rec HighLimit

RPDLimit Qual

Surr: BFB

Prep Date:

1000

1000

SPK value SPK Ref Val

104

73.8

LowLimit

119

Oualifiers:

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

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix

Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

Sample pH Not In Range

RL Reporting Detection Limit

Sample container temperature is out of limit as specified

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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:	NMED Santa Fe	Work Order Num	ber: 1812981		RcptNo: 1						
Received By:	Victoria Zellar	12/17/2018 3:50:00	PM	Victoria Gell	a ₁						
Completed By:	Isaiah Ortiz	12/18/2018 7:44:06	AM	Victoria Gella	1						
Reviewed By:	JAR 12/18/18			and the							
	AD 12/18/18										
Chain of Cus	tody										
	ustody complete?		Yes 🗸	No 🗌	Not Present						
	sample delivered?		Client	The same of the sa	Not resent						
2	ounple delitered.		Client								
<u>Log In</u>											
3. Was an atten	npt made to cool the samp	es?	Yes 🗸	No 🗌	NA 🗌						
4				—							
4. Were all samp	ples received at a tempera	ture of >0° C to 6.0°C	Yes 🗸	No 📙	NA 🗆						
5. Sample(s) in	proper container(s)?		Yes 🗸	No 🗌							
6. Sufficient sam	ple volume for indicated te	st(s)?	Yes 🗹	No 🗌							
7. Are samples (except VOA and ONG) pro	perly preserved?	Yes 🗸	No 🗌							
8. Was preserva	tive added to bottles?		Yes 🗌	No 🗸	NA 🗆						
9 VOA viale hav	e zero headspace?		v □								
	nple containers received by	mkan2	Yes ☐	No 📙	No VOA Vials						
10. Were any san	inple containers received bi	oken?	Yes 🗀	No 🗸	# of preserved						
11. Does paperwo	ork match bottle labels?		Yes 🗹	No 🗆	bottles checked for pH:						
	ancies on chain of custody)		.00 65			upless noted)					
12. Are matrices of	correctly identified on Chair	of Custody?	Yes 🗸	No 🗆	Adjusted?	th death's account					
	t analyses were requested	•	Yes 🗹	No 🗌	2.0						
	ng times able to be met? ustomer for authorization.)		Yes 🗸	No 📙	Checked by: DAD	12/18/18					
					,						
Special Handl	ing (if applicable)										
15. Was client no	tified of all discrepancies w	rith this order?	Yes	No 🗆	NA 🗹						
Person	Notified:	Date:			T TOTAL CLASS TALL						
By Who	m:	Via:	, ☐ eMail ☐ l	Phone Fax [In Person						
Regardi	ng:	A. C. and C. S. S. C. S.		at world of Hobban Colored							
Client In	structions:	The second section of the second section of the second section of the second section s	Authoritistich 2006 Auch aus den Auszugen leiden. 3	TO ANNERSO STATE OF THE PARTY O	A decided to the second decided and a second decide						
16. Additional rer	marks:										
17. Cooler Inform	mation										
Cooler No		Seal Intact Seal No	Seal Date	Signed By							
1	17.2 Good	Not Present									

	ANALYSIS LABORATORY	and lotter macrimal and waster	4901 Hawkins NE - Albuquerque, NM 87109	Tel. 505-345-3975 Fax 505-345-4107	Analysis	*O!	PCB's DSIMS PO4, S	7 DR 3082 4.1) 8270 (0 ₂ ,	OA 50.40 50.00 10 (AO	cide ood 31(0 NO 1) 1,1-Vi 1,1-Vi	Pesti (Meth by 8: 4 8 M Br, UVOA	8081 8081 PAH€ RCR, CI, F, 8260 8270 Total	X							Remarks:		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.
Turn-Around Time:	© KStandard □ Rush	Project Name:	StRSeptic	Project #:	JY-465		Joson Herman	Same	FECTIO	# of Coolers: 16.8 W - : N/H OF = + 0.4	7,7%	Container Preservative HEAL No. The Type and # Type 181798	8							Middle Time Rer Company 15:50	eceived by: Vid: Date Time	tracted to other accredited laboratories. This serves as notice of this possi
Record	Client NMED GUIOR		Mailing Address: 1190 St. Francis Dr	97502	Phone #: 505 827 2718	email or Fax#: JPOSM, Herman RSHAR. Im. US Project Manager:	QA/QC Package:	☐ Az Compliance	□ NELAC □ Other			Time Matrix Sample Name	12/17 14:15 50 1 april 54 Oragonics 1841	-						1/18 15,50 Loan Acronall		If necessary, samples submitted to Hall Environmental may be subcon