



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

February 07, 2018

Johnny Titsworth
Burnett Oil Co Inc
PO Box 188
Loco Hills, NM 88255
TEL: (432) 425-2891
FAX

RE: Nosler 12 Federal Tank Battery

OrderNo.: 1801D20

Dear Johnny Titsworth:

Hall Environmental Analysis Laboratory received 9 sample(s) on 1/27/2018 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 #NM0190

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1801D20**

Date Reported: **2/7/2018**

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP1 0-1'

Project: Nosler 12 Federal Tank Battery

Collection Date: 1/26/2018

Lab ID: 1801D20-001

Matrix: SOIL

Received Date: 1/27/2018 10:05:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	56	4.8		mg/Kg	1	2/1/2018 10:51:19 PM	36239
Surr: BFB	125	70-130		%Rec	1	2/1/2018 10:51:19 PM	36239
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	3700	100		mg/Kg	10	2/1/2018 2:55:14 PM	36269
Motor Oil Range Organics (MRO)	2400	500		mg/Kg	10	2/1/2018 2:55:14 PM	36269
Surr: DNOP	0	70-130	S	%Rec	10	2/1/2018 2:55:14 PM	36269
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: AG
Benzene	ND	0.024		mg/Kg	1	2/1/2018 10:51:19 PM	36239
Toluene	ND	0.048		mg/Kg	1	2/1/2018 10:51:19 PM	36239
Ethylbenzene	ND	0.048		mg/Kg	1	2/1/2018 10:51:19 PM	36239
Xylenes, Total	ND	0.095		mg/Kg	1	2/1/2018 10:51:19 PM	36239
Surr: 4-Bromofluorobenzene	132	70-130	S	%Rec	1	2/1/2018 10:51:19 PM	36239
Surr: Toluene-d8	92.9	70-130		%Rec	1	2/1/2018 10:51:19 PM	36239

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1801D20**

Date Reported: **2/7/2018**

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP1 1'-2'

Project: Nosler 12 Federal Tank Battery

Collection Date: 1/26/2018

Lab ID: 1801D20-002

Matrix: SOIL

Received Date: 1/27/2018 10:05:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	2/6/2018 6:53:38 PM	36339
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/6/2018 6:53:38 PM	36339
Surr: DNOP	106	70-130		%Rec	1	2/6/2018 6:53:38 PM	36339
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/6/2018 3:37:56 PM	36352
Surr: BFB	93.9	15-316		%Rec	1	2/6/2018 3:37:56 PM	36352

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1801D20**

Date Reported: **2/7/2018**

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP2 0-1'

Project: Nosler 12 Federal Tank Battery

Collection Date: 1/26/2018

Lab ID: 1801D20-004

Matrix: SOIL

Received Date: 1/27/2018 10:05:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	160	24		mg/Kg	5	2/1/2018 11:14:18 PM	36239
Surr: BFB	110	70-130		%Rec	5	2/1/2018 11:14:18 PM	36239
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	460	9.5		mg/Kg	1	2/1/2018 3:15:45 PM	36269
Motor Oil Range Organics (MRO)	300	48		mg/Kg	1	2/1/2018 3:15:45 PM	36269
Surr: DNOP	0	70-130	S	%Rec	1	2/1/2018 3:15:45 PM	36269
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: AG
Benzene	ND	0.12		mg/Kg	5	2/1/2018 11:14:18 PM	36239
Toluene	ND	0.24		mg/Kg	5	2/1/2018 11:14:18 PM	36239
Ethylbenzene	ND	0.24		mg/Kg	5	2/1/2018 11:14:18 PM	36239
Xylenes, Total	ND	0.47		mg/Kg	5	2/1/2018 11:14:18 PM	36239
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	5	2/1/2018 11:14:18 PM	36239
Surr: Toluene-d8	97.1	70-130		%Rec	5	2/1/2018 11:14:18 PM	36239

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1801D20**

Date Reported: **2/7/2018**

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP3 0-1'

Project: Nosler 12 Federal Tank Battery

Collection Date: 1/26/2018

Lab ID: 1801D20-007

Matrix: SOIL

Received Date: 1/27/2018 10:05:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	4400	99		mg/Kg	10	2/1/2018 3:17:20 PM	36275
Motor Oil Range Organics (MRO)	2200	490		mg/Kg	10	2/1/2018 3:17:20 PM	36275
Surr: DNOP	0	70-130	S	%Rec	10	2/1/2018 3:17:20 PM	36275
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	24	D	mg/Kg	5	1/31/2018 7:58:56 PM	36252
Surr: BFB	108	15-316	D	%Rec	5	1/31/2018 7:58:56 PM	36252
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.12	D	mg/Kg	5	1/31/2018 7:58:56 PM	36252
Toluene	ND	0.24	D	mg/Kg	5	1/31/2018 7:58:56 PM	36252
Ethylbenzene	ND	0.24	D	mg/Kg	5	1/31/2018 7:58:56 PM	36252
Xylenes, Total	ND	0.48	D	mg/Kg	5	1/31/2018 7:58:56 PM	36252
Surr: 4-Bromofluorobenzene	95.5	80-120	D	%Rec	5	1/31/2018 7:58:56 PM	36252

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1801D20**

Date Reported: **2/7/2018**

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP3 1'-2'

Project: Nosler 12 Federal Tank Battery

Collection Date: 1/26/2018

Lab ID: 1801D20-008

Matrix: SOIL

Received Date: 1/27/2018 10:05:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	2/6/2018 7:37:23 PM	36339
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/6/2018 7:37:23 PM	36339
Surr: DNOP	110	70-130		%Rec	1	2/6/2018 7:37:23 PM	36339
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/6/2018 5:35:03 PM	36352
Surr: BFB	90.0	15-316		%Rec	1	2/6/2018 5:35:03 PM	36352

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#: 1801D20

07-Feb-18

Client: Burnett Oil Co Inc

Project: Nosler 12 Federal Tank Battery

Sample ID	LCS-36275		SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS		Batch ID: 36275		RunNo: 48777					
Prep Date:	1/30/2018		Analysis Date: 1/31/2018		SeqNo: 1570270		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	41	10	50.00	0	82.2	70	130			
Surr: DNOP	4.5		5.000		90.8	70	130			

Sample ID	MB-36275	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID: 36275			RunNo: 48777					
Prep Date:	1/30/2018	Analysis Date: 1/31/2018			SeqNo: 1570272		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		88.6	70	130			

Sample ID	LCS-36269		SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS		Batch ID: 36269		RunNo: 48798					
Prep Date:	1/30/2018		Analysis Date: 1/31/2018		SeqNo: 1570582		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	101	70	130			
Surr: DNOP	5.0		5.000		99.0	70	130			

Sample ID	MB-36269		SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS		Batch ID: 36269		RunNo: 48798					
Prep Date:	1/30/2018		Analysis Date: 1/31/2018		SeqNo: 1570583		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	10		10.00		100	70	130			

Sample ID	LCS-36366		SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS		Batch ID: 36366		RunNo: 48919					
Prep Date:	2/6/2018		Analysis Date: 2/6/2018		SeqNo: 1574281		Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.4		5.000		87.9	70	130			

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#: 1801D20

07-Feb-18

Client: Burnett Oil Co Inc

Project: Nosler 12 Federal Tank Battery

Sample ID	MB-36366		SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS		Batch ID: 36366		RunNo: 48919					
Prep Date:	2/6/2018		Analysis Date: 2/6/2018		SeqNo: 1574282		Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.6		10.00		96.4	70	130			

Sample ID	LCS-36339		SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS		Batch ID: 36339		RunNo: 48920					
Prep Date:	2/5/2018		Analysis Date: 2/6/2018		SeqNo: 1574284		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	41	10	50.00	0	82.3	70	130			
Surr: DNOP	4.2		5.000		84.7	70	130			

Sample ID	MB-36339		SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS		Batch ID: 36339		RunNo: 48920					
Prep Date:	2/5/2018		Analysis Date: 2/6/2018		SeqNo: 1574285		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	9.0		10.00		89.9	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
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#: 1801D20

07-Feb-18

Client: Burnett Oil Co Inc
Project: Nosler 12 Federal Tank Battery

Sample ID	1801D20-007AMS		SampType: MS		TestCode: EPA Method 8015D: Gasoline Range					
Client ID:	SP3 0-1'		Batch ID: 36252		RunNo: 48820					
Prep Date:	1/30/2018		Analysis Date: 1/31/2018		SeqNo: 1570833		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	43	24	24.08	14.49	118	77.8	128			D
Surr: BFB	5600		4817		116	15	316			D

Sample ID	1801D20-007AMSD		SampType: MSD		TestCode: EPA Method 8015D: Gasoline Range					
Client ID:	SP3 0-1'		Batch ID: 36252		RunNo: 48820					
Prep Date:	1/30/2018		Analysis Date: 1/31/2018		SeqNo: 1570834		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	41	23	23.23	14.49	116	77.8	128	3.60	20	D
Surr: BFB	5300		4647		114	15	316	0	0	D

Sample ID	LCS-36252		SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range					
Client ID:	LCSS		Batch ID: 36252		RunNo: 48820					
Prep Date:	1/30/2018		Analysis Date: 1/31/2018		SeqNo: 1570843		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	102	75.9	131			
Surr: BFB	1100		1000		108	15	316			

Sample ID	MB-36252		SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range					
Client ID:	PBS		Batch ID: 36252		RunNo: 48820					
Prep Date:	1/30/2018		Analysis Date: 1/31/2018		SeqNo: 1570845		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	940		1000		94.4	15	316			

Sample ID	MB-36352	SampType:	MBLK		TestCode:	EPA Method 8015D: Gasoline Range				
Client ID:	PBS	Batch ID:	36352		RunNo:	48930				
Prep Date:	2/5/2018	Analysis Date:	2/6/2018		SeqNo:	1574768	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	1000		1000		102	15	316			

Sample ID	LCS-36352		SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range					
Client ID:	LCSS		Batch ID: 36352		RunNo: 48930					
Prep Date:	2/5/2018		Analysis Date: 2/6/2018		SeqNo: 1574769		Units: mg/Kg			
Analyte	Result	POL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

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#: 1801D20

07-Feb-18

Client: Burnett Oil Co Inc

Project: Nosler 12 Federal Tank Battery

Sample ID	LCS-36352		SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range					
Client ID:	LCSS		Batch ID: 36352		RunNo: 48930					
Prep Date:	2/5/2018		Analysis Date: 2/6/2018		SeqNo: 1574769		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	107	75.9	131			
Surr: BFB	1200		1000		119	15	316			

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#: 1801D20

07-Feb-18

Client: Burnett Oil Co Inc

Project: Nosler 12 Federal Tank Battery

Sample ID	LCS-36252		SampType: LCS		TestCode: EPA Method 8021B: Volatiles					
Client ID:	LCSS		Batch ID: 36252		RunNo: 48820					
Prep Date:	1/30/2018		Analysis Date: 1/31/2018		SeqNo: 1570884		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	99.9	77.3	128			
Toluene	1.0	0.050	1.000	0	99.6	79.2	125			
Ethylbenzene	0.97	0.050	1.000	0	97.2	80.7	127			
Xylenes, Total	3.0	0.10	3.000	0	100	81.6	129			
Surr: 4-Bromofluorobenzene	1.0		1.000		99.8	80	120			

Sample ID	MB-36252		SampType: MBLK		TestCode: EPA Method 8021B: Volatiles					
Client ID:	PBS		Batch ID: 36252		RunNo: 48820					
Prep Date:	1/30/2018		Analysis Date: 1/31/2018		SeqNo: 1570886		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.98		1.000		98.2	80	120			

Sample ID	MB-36352		SampType: MBLK		TestCode: EPA Method 8021B: Volatiles					
Client ID:	PBS		Batch ID: 36352		RunNo: 48930					
Prep Date:	2/5/2018		Analysis Date: 2/6/2018		SeqNo: 1574788		Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.1		1.000		109	80	120			

Sample ID	LCS-36352		SampType: LCS		TestCode: EPA Method 8021B: Volatiles					
Client ID:	LCSS		Batch ID: 36352		RunNo: 48930					
Prep Date:	2/5/2018		Analysis Date: 2/6/2018		SeqNo: 1574789		Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.1		1.000		111	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
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#: 1801D20

07-Feb-18

Client: Burnett Oil Co Inc

Project: Nosler 12 Federal Tank Battery

Sample ID	Ics-36239		SampType: LCS4		TestCode: EPA Method 8260B: Volatiles Short List					
Client ID:	BatchQC		Batch ID: 36239		RunNo: 48799					
Prep Date:	1/29/2018		Analysis Date: 1/31/2018		SeqNo: 1570984		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.85	0.025	1.000	0	85.1	80	120			
Toluene	0.95	0.050	1.000	0	94.9	80	120			
Ethylbenzene	0.97	0.050	1.000	0	96.7	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.5	80	120			
Surr: 4-Bromofluorobenzene	0.46		0.5000		92.4	70	130			
Surr: Toluene-d8	0.47		0.5000		93.5	70	130			

Sample ID	mb-36239		SampType: MBLK		TestCode: EPA Method 8260B: Volatiles Short List					
Client ID:	PBS		Batch ID: 36239		RunNo: 48799					
Prep Date:	1/29/2018		Analysis Date: 1/31/2018		SeqNo: 1570986		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.57		0.5000		113	70	130			
Surr: Toluene-d8	0.46		0.5000		92.9	70	130			

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#: 1801D20

07-Feb-18

Client: Burnett Oil Co Inc

Project: Nosler 12 Federal Tank Battery

Sample ID	lcs-36239		SampType: LCS			TestCode: EPA Method 8015D Mod: Gasoline Range				
Client ID:	LCSS		Batch ID: 36239			RunNo: 48799				
Prep Date:	1/29/2018		Analysis Date: 1/31/2018			SeqNo: 1570816		Units: mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	102	70	130			
Surr: BFB	470		500.0		94.5	70	130			

Sample ID	mb-36239		SampType: MBLK			TestCode: EPA Method 8015D Mod: Gasoline Range				
Client ID:	PBS		Batch ID: 36239			RunNo: 48799				
Prep Date:	1/29/2018		Analysis Date: 1/31/2018			SeqNo: 1570817		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	540		500.0		108	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
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



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: BURNETT OIL CO INC

Work Order Number: 1801D20

RcptNo: 1

Received By: Erin Melendrez 1/27/2018 10:05:00 AM

Completed By: Dennis Suazo 1/29/2018 11:40:14 AM

Reviewed By: ENM 1/29/18

Chain of Custody

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

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ 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?
(Note discrepancies on chain of custody) Yes ☒ No ☐
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?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH: _____
(<2 or >12 unless noted)
Adjusted? _____
Checked by: _____

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 $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.2	Good	Not Present			

