



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

April 08, 2019

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

RE: Gissler B 3 3

OrderNo.: 1904045

Dear Johnny Titsworth:

Hall Environmental Analysis Laboratory received 25 sample(s) on 3/30/2019 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,

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 **1904045**Date Reported: **4/8/2019****CLIENT:** Burnett Oil Co Inc**Client Sample ID:** SP1 0'-1'**Project:** Gissler B 3 3**Collection Date:** 3/28/2019**Lab ID:** 1904045-001**Matrix:** SOIL**Received Date:** 3/30/2019 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	5100	150		mg/Kg	50	4/7/2019 10:39:33 AM	44147
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: Irm
Diesel Range Organics (DRO)	7700	960		mg/Kg	100	4/3/2019 7:08:38 PM	44043
Motor Oil Range Organics (MRO)	7300	4800		mg/Kg	100	4/3/2019 7:08:38 PM	44043
Surr: DNOP	0	70-130	S	%Rec	100	4/3/2019 7:08:38 PM	44043
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	23	4.9		mg/Kg	1	4/3/2019 8:32:05 AM	44027
Surr: BFB	322	73.8-119	S	%Rec	1	4/3/2019 8:32:05 AM	44027
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	4/3/2019 8:32:05 AM	44027
Toluene	ND	0.049		mg/Kg	1	4/3/2019 8:32:05 AM	44027
Ethylbenzene	0.54	0.049		mg/Kg	1	4/3/2019 8:32:05 AM	44027
Xylenes, Total	1.3	0.099		mg/Kg	1	4/3/2019 8:32:05 AM	44027
Surr: 4-Bromofluorobenzene	126	80-120	S	%Rec	1	4/3/2019 8:32:05 AM	44027

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

Qualifiers:	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	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 at testcode

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1904045**

Date Reported: **4/8/2019**

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP1 1'-2'

Project: Gissler B 3 3

Collection Date: 3/28/2019

Lab ID: 1904045-002

Matrix: SOIL

Received Date: 3/30/2019 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	100	60		mg/Kg	20	4/4/2019 4:17:02 AM	44089

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

Qualifiers:	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	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 at testcode

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1904045**

Date Reported: **4/8/2019**

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP1 2'-3'

Project: Gissler B 3 3

Collection Date: 3/28/2019

Lab ID: 1904045-003

Matrix: SOIL

Received Date: 3/30/2019 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	4100	150		mg/Kg	50	4/5/2019 1:04:13 AM	44089

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

Qualifiers:	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	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 at testcode

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1904045**

Date Reported: **4/8/2019**

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP1 3'-4'

Project: Gissler B 3 3

Collection Date: 3/28/2019

Lab ID: 1904045-004

Matrix: SOIL

Received Date: 3/30/2019 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	3500	150		mg/Kg	50	4/5/2019 1:16:38 AM	44089

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

Qualifiers:	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	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 at testcode

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1904045**

Date Reported: **4/8/2019**

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP1 4'-5'

Project: Gissler B 3 3

Collection Date: 3/28/2019

Lab ID: 1904045-005

Matrix: SOIL

Received Date: 3/30/2019 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	1800	60		mg/Kg	20	4/4/2019 4:54:16 AM	44089

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

Qualifiers:	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	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 at testcode

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1904045**

Date Reported: **4/8/2019**

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP1 5'-6'

Project: Gissler B 3 3

Collection Date: 3/28/2019

Lab ID: 1904045-006

Matrix: SOIL

Received Date: 3/30/2019 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	3600	150		mg/Kg	50	4/5/2019 1:29:03 AM	44089

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

Qualifiers:	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	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 at testcode

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1904045**

Date Reported: **4/8/2019**

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP1 6'-7'

Project: Gissler B 3 3

Collection Date: 3/28/2019

Lab ID: 1904045-007

Matrix: SOIL

Received Date: 3/30/2019 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	3900	150		mg/Kg	50	4/5/2019 1:41:27 AM	44089

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

Qualifiers:	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	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 at testcode

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1904045**

Date Reported: **4/8/2019**

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP1 7'-8'

Project: Gissler B 3 3

Collection Date: 3/28/2019

Lab ID: 1904045-008

Matrix: SOIL

Received Date: 3/30/2019 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	4400	150		mg/Kg	50	4/5/2019 1:53:52 AM	44089

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

Qualifiers:	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	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 at testcode

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1904045**

Date Reported: **4/8/2019**

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP1 8'-9'

Project: Gissler B 3 3

Collection Date: 3/28/2019

Lab ID: 1904045-009

Matrix: SOIL

Received Date: 3/30/2019 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	4500	150		mg/Kg	50	4/5/2019 2:06:17 AM	44089

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

Qualifiers:	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	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 at testcode

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1904045**Date Reported: **4/8/2019****CLIENT:** Burnett Oil Co Inc**Client Sample ID:** SP2 0'-1'**Project:** Gissler B 3 3**Collection Date:** 3/28/2019**Lab ID:** 1904045-010**Matrix:** SOIL**Received Date:** 3/30/2019 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	1500	60		mg/Kg	20	4/5/2019 10:53:13 AM	44147
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: Irm
Diesel Range Organics (DRO)	12000	990		mg/Kg	100	4/3/2019 7:32:58 PM	44043
Motor Oil Range Organics (MRO)	9500	5000		mg/Kg	100	4/3/2019 7:32:58 PM	44043
Surr: DNOP	0	70-130	S	%Rec	100	4/3/2019 7:32:58 PM	44043
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	35	23		mg/Kg	5	4/3/2019 6:41:32 PM	44027
Surr: BFB	125	73.8-119	S	%Rec	5	4/3/2019 6:41:32 PM	44027
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.12		mg/Kg	5	4/3/2019 6:41:32 PM	44027
Toluene	ND	0.23		mg/Kg	5	4/3/2019 6:41:32 PM	44027
Ethylbenzene	ND	0.23		mg/Kg	5	4/3/2019 6:41:32 PM	44027
Xylenes, Total	ND	0.47		mg/Kg	5	4/3/2019 6:41:32 PM	44027
Surr: 4-Bromofluorobenzene	92.6	80-120		%Rec	5	4/3/2019 6:41:32 PM	44027

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

Qualifiers:	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	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 at testcode

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1904045**

Date Reported: **4/8/2019**

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP2 1'-2'

Project: Gissler B 3 3

Collection Date: 3/28/2019

Lab ID: 1904045-011

Matrix: SOIL

Received Date: 3/30/2019 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	1300	60		mg/Kg	20	4/4/2019 6:21:08 AM	44089

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

Qualifiers:	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	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 at testcode

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1904045**

Date Reported: **4/8/2019**

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP2 2'-3'

Project: Gissler B 3 3

Collection Date: 3/28/2019

Lab ID: 1904045-012

Matrix: SOIL

Received Date: 3/30/2019 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	770	60		mg/Kg	20	4/4/2019 6:33:33 AM	44089

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

Qualifiers:	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	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 at testcode

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1904045**

Date Reported: **4/8/2019**

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP2 3'-4'

Project: Gissler B 3 3

Collection Date: 3/28/2019

Lab ID: 1904045-013

Matrix: SOIL

Received Date: 3/30/2019 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	180	60		mg/Kg	20	4/4/2019 11:37:36 AM	44103

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

Qualifiers:	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	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 at testcode

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1904045**

Date Reported: **4/8/2019**

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP2 4'-5'

Project: Gissler B 3 3

Collection Date: 3/28/2019

Lab ID: 1904045-014

Matrix: SOIL

Received Date: 3/30/2019 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	230	60		mg/Kg	20	4/4/2019 12:39:39 PM	44103

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

Qualifiers:	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	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 at testcode

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1904045**

Date Reported: **4/8/2019**

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP2 5'-6'

Project: Gissler B 3 3

Collection Date: 3/28/2019

Lab ID: 1904045-015

Matrix: SOIL

Received Date: 3/30/2019 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	4/4/2019 12:52:04 PM	44103

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

Qualifiers:	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	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 at testcode

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1904045**

Date Reported: **4/8/2019**

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP2 6'-7'

Project: Gissler B 3 3

Collection Date: 3/28/2019

Lab ID: 1904045-016

Matrix: SOIL

Received Date: 3/30/2019 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	140	60		mg/Kg	20	4/4/2019 1:04:29 PM	44103

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

Qualifiers:	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	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 at testcode

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1904045**

Date Reported: **4/8/2019**

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP2 7'-8'

Project: Gissler B 3 3

Collection Date: 3/28/2019

Lab ID: 1904045-017

Matrix: SOIL

Received Date: 3/30/2019 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	4/4/2019 1:16:53 PM	44103

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

Qualifiers:	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	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 at testcode

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1904045**

Date Reported: **4/8/2019**

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP2 8'-9'

Project: Gissler B 3 3

Collection Date: 3/28/2019

Lab ID: 1904045-018

Matrix: SOIL

Received Date: 3/30/2019 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	4/4/2019 1:29:18 PM	44103

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

Qualifiers:	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	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 at testcode

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1904045**

Date Reported: **4/8/2019**

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP2 9'-10'

Project: Gissler B 3 3

Collection Date: 3/28/2019

Lab ID: 1904045-019

Matrix: SOIL

Received Date: 3/30/2019 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	100	60		mg/Kg	20	4/4/2019 1:41:42 PM	44103

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

Qualifiers:	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	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 at testcode

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1904045**Date Reported: **4/8/2019****CLIENT:** Burnett Oil Co Inc**Client Sample ID:** SP3 0'-1'**Project:** Gissler B 3 3**Collection Date:** 3/28/2019**Lab ID:** 1904045-020**Matrix:** SOIL**Received Date:** 3/30/2019 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	3100	150		mg/Kg	50	4/7/2019 10:51:58 AM	44147
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: Irm
Diesel Range Organics (DRO)	10000	990		mg/Kg	100	4/3/2019 7:57:25 PM	44043
Motor Oil Range Organics (MRO)	8800	5000		mg/Kg	100	4/3/2019 7:57:25 PM	44043
Surr: DNOP	0	70-130	S	%Rec	100	4/3/2019 7:57:25 PM	44043
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	99	25		mg/Kg	5	4/3/2019 8:14:43 PM	44027
Surr: BFB	159	73.8-119	S	%Rec	5	4/3/2019 8:14:43 PM	44027
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	0.16	0.12		mg/Kg	5	4/3/2019 8:14:43 PM	44027
Toluene	1.6	0.25		mg/Kg	5	4/3/2019 8:14:43 PM	44027
Ethylbenzene	0.75	0.25		mg/Kg	5	4/3/2019 8:14:43 PM	44027
Xylenes, Total	1.6	0.50		mg/Kg	5	4/3/2019 8:14:43 PM	44027
Surr: 4-Bromofluorobenzene	97.7	80-120		%Rec	5	4/3/2019 8:14:43 PM	44027

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

Qualifiers:	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	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 at testcode

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1904045**

Date Reported: **4/8/2019**

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP3 1'-2'

Project: Gissler B 3 3

Collection Date: 3/28/2019

Lab ID: 1904045-021

Matrix: SOIL

Received Date: 3/30/2019 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	5200	300		mg/Kg	100	4/6/2019 1:52:04 PM	44103

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

Qualifiers:	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	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 at testcode

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1904045**

Date Reported: **4/8/2019**

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP3 2'-3'

Project: Gissler B 3 3

Collection Date: 3/28/2019

Lab ID: 1904045-022

Matrix: SOIL

Received Date: 3/30/2019 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	7700	300		mg/Kg	100	4/6/2019 2:04:28 PM	44103

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

Qualifiers:	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	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 at testcode

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1904045**

Date Reported: **4/8/2019**

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP3 3'-4'

Project: Gissler B 3 3

Collection Date: 3/28/2019

Lab ID: 1904045-023

Matrix: SOIL

Received Date: 3/30/2019 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	1200	60		mg/Kg	20	4/4/2019 2:43:45 PM	44103

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

Qualifiers:	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	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 at testcode

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1904045**

Date Reported: **4/8/2019**

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP3 4'-5'

Project: Gissler B 3 3

Collection Date: 3/28/2019

Lab ID: 1904045-024

Matrix: SOIL

Received Date: 3/30/2019 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	3500	150		mg/Kg	50	4/6/2019 2:16:53 PM	44103

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

Qualifiers:	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	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 at testcode

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1904045**

Date Reported: **4/8/2019**

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP3 5'-6'

Project: Gissler B 3 3

Collection Date: 3/28/2019

Lab ID: 1904045-025

Matrix: SOIL

Received Date: 3/30/2019 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	3400	150		mg/Kg	50	4/6/2019 2:29:17 PM	44103

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

Qualifiers:	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	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 at testcode

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1904045

08-Apr-19

Client: Burnett Oil Co Inc

Project: Gissler B 3 3

Sample ID: MB-44089	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 44089	RunNo: 58879								
Prep Date: 4/3/2019	Analysis Date: 4/4/2019	SeqNo: 1979365 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-44089	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 44089	RunNo: 58879								
Prep Date: 4/3/2019	Analysis Date: 4/4/2019	SeqNo: 1979366 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.2	90	110			

Sample ID: MB-44103	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 44103	RunNo: 58880								
Prep Date: 4/4/2019	Analysis Date: 4/4/2019	SeqNo: 1980991 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-44103	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 44103	RunNo: 58880								
Prep Date: 4/4/2019	Analysis Date: 4/4/2019	SeqNo: 1980992 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.1	90	110			

Sample ID: MB-44147	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 44147	RunNo: 58920								
Prep Date: 4/5/2019	Analysis Date: 4/5/2019	SeqNo: 1982048 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-44147	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 44147	RunNo: 58920								
Prep Date: 4/5/2019	Analysis Date: 4/5/2019	SeqNo: 1982049 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.7	90	110			

Qualifiers:

H Holding times for preparation or analysis exceeded
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

ND Not Detected at the Reporting Limit
RL Reporting Detection Limit
W Sample container temperature is out of limit as specified at testcode

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1904045

08-Apr-19

Client: Burnett Oil Co Inc

Project: Gissler B 3 3

Sample ID: MB-44043	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 44043	RunNo: 58838								
Prep Date: 4/2/2019	Analysis Date: 4/3/2019	SeqNo: 1979112	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	9.3		10.00		93.4	70	130			

Sample ID: LCS-44043	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 44043	RunNo: 58838								
Prep Date: 4/2/2019	Analysis Date: 4/3/2019	SeqNo: 1979113	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	93.4	63.9	124			
Surr: DNOP	4.7		5.000		94.2	70	130			

Qualifiers:

H Holding times for preparation or analysis exceeded
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

ND Not Detected at the Reporting Limit
RL Reporting Detection Limit
W Sample container temperature is out of limit as specified at testcode

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1904045

08-Apr-19

Client: Burnett Oil Co Inc

Project: Gissler B 3 3

Sample ID: 1904045-001AMS	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range
Client ID: SP1 0'-1'	Batch ID: 44027	RunNo: 58855
Prep Date: 4/2/2019	Analysis Date: 4/3/2019	SeqNo: 1978331 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Gasoline Range Organics (GRO)	51	4.9 24.34 23.48 112 69.1 142
Surr: BFB	3400	973.7 347 73.8 119 S

Sample ID: 1904045-001AMSD	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range
Client ID: SP1 0'-1'	Batch ID: 44027	RunNo: 58855
Prep Date: 4/2/2019	Analysis Date: 4/3/2019	SeqNo: 1978332 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Gasoline Range Organics (GRO)	47	4.7 23.28 23.48 99.4 69.1 142 8.69 20
Surr: BFB	3200	931.1 344 73.8 119 0 0 S

Sample ID: LCS-44027	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range
Client ID: LCSS	Batch ID: 44027	RunNo: 58855
Prep Date: 4/2/2019	Analysis Date: 4/3/2019	SeqNo: 1978339 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 98.5 80.1 123
Surr: BFB	1100	1000 106 73.8 119

Sample ID: MB-44027	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range
Client ID: PBS	Batch ID: 44027	RunNo: 58855
Prep Date: 4/2/2019	Analysis Date: 4/3/2019	SeqNo: 1978340 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 93.6 73.8 119

Qualifiers:

H Holding times for preparation or analysis exceeded
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

ND Not Detected at the Reporting Limit
RL Reporting Detection Limit
W Sample container temperature is out of limit as specified at testcode

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1904045

08-Apr-19

Client: Burnett Oil Co Inc

Project: Gissler B 3 3

Sample ID: LCS-44027	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 44027	RunNo: 58855								
Prep Date: 4/2/2019	Analysis Date: 4/3/2019	SeqNo: 1978349 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	96.0	80	120			
Toluene	1.0	0.050	1.000	0	102	80	120			
Ethylbenzene	1.0	0.050	1.000	0	101	80	120			
Xylenes, Total	3.1	0.10	3.000	0	102	80	120			
Surr: 4-Bromofluorobenzene	0.99		1.000		99.3	80	120			

Sample ID: MB-44027	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 44027	RunNo: 58855								
Prep Date: 4/2/2019	Analysis Date: 4/3/2019	SeqNo: 1978350 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	0.95		1.000		94.7	80	120			

Sample ID: 1904045-010AMS	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: SP2 0'-1'	Batch ID: 44027	RunNo: 58855								
Prep Date: 4/2/2019	Analysis Date: 4/3/2019	SeqNo: 1980199 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.83	0.12	0.9930	0.04460	78.6	63.9	127			
Toluene	0.93	0.25	0.9930	0.08545	84.6	69.9	131			
Ethylbenzene	0.88	0.25	0.9930	0.06103	82.7	71	132			
Xylenes, Total	2.8	0.50	2.979	0.3577	81.7	71.8	131			
Surr: 4-Bromofluorobenzene	4.7		4.965		95.0	80	120			

Sample ID: 1904045-010AMSD	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: SP2 0'-1'	Batch ID: 44027	RunNo: 58855								
Prep Date: 4/2/2019	Analysis Date: 4/3/2019	SeqNo: 1980200 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.86	0.12	0.9709	0.04460	83.7	63.9	127	3.75	20	
Toluene	0.97	0.24	0.9709	0.08545	91.4	69.9	131	4.98	20	
Ethylbenzene	0.93	0.24	0.9709	0.06103	89.6	71	132	5.38	20	
Xylenes, Total	3.0	0.49	2.913	0.3577	90.0	71.8	131	6.46	20	
Surr: 4-Bromofluorobenzene	4.6		4.854		95.0	80	120	0	0	

Qualifiers:

H Holding times for preparation or analysis exceeded
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

ND Not Detected at the Reporting Limit
RL Reporting Detection Limit
W Sample container temperature is out of limit as specified at testcode

Sample Log-In Check List

Client Name: **BURNETT OIL CO INC**

Work Order Number: **1904045**

RcptNo: 1

Received By: **Anne Thorne**

3/30/2019 9:20:00 AM

Completed By: **Erin Melendrez**

4/1/2019 2:07:07 PM

Reviewed By:

YG 4/1/19
LB: IO 4/6/19

Anne Thorne
Erin Melendrez

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	1.6	Good	Yes			
2	1.0	Good	Yes			
3	1.0	Good	Yes			
4	1.0	Good	Yes			

