

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 test code

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:	II	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 textcode

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:

II 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:

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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



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: 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

Am Th
EM

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° 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: IO 4/1/19
(≤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 °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.8	Good	Yes			
2	1.0	Good	Yes			
3	1.0	Good	Yes			
4	1.0	Good	Yes			

Chain-of-Custody Record

Client: Burnett Oil Co., Inc

Mailing Address:

P.O. Box 188 Loco Hills, NM 88255

Phone #: 432-425-2891

email or Fax#: jtitworth@burnettoil.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation:

☐ NELAP ☐ Other

☐ EDD (Type)

Turn-Around Time:

☒ Standard ☐ Rush

Project Name:

Gissler 3 3-3

Project #:

Project Manager:

Johnny Titworth

Sampler: *John Titworth*

On Ice: ☒ Yes ☐ No

Sample Temperature: *16°C 3 miles S 1.0"*

Date Time Matrix Sample Request ID

3/28/2019

soil

Sp2 0-1

3/28/2019

soil

12-13

3/28/2019

soil

22-23

3/28/2019

soil

34-45

3/28/2019

soil

45-55

3/28/2019

soil

55-65

3/28/2019

soil

65-75

3/28/2019

soil

75-85

3/28/2019

soil

85-95

3/28/2019

soil

95-105

3/28/2019

soil

105-115

3/28/2019

soil

115-125

Date: 3/28/19

Time: PM

Relinquished by: *Ken Titworth*

Date: 3/29/19

Time: 1940

Relinquished by: *SPK*

Received by: *SPK*

Date: 3/28/19

Time: 0730

Received by: *Ken Titworth*

Date: 03/30/19

Time: 0920

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Air Bubbles (Y or N)

Chloride TPH 8015M BTEX 8021B

Remarks: If total TPH exceeds 2,500 mg/kg - run deeper sample.
If total BTEX exceeds 50 mg/kg - run deeper sample
Benzene exceeds 10 mg/kg - run deeper sample

Chain-of-Custody Record

Client: Burnett Oil Co., Inc

Mailing Address:

P.O. Box 188 Loco Hills, NM 88255

Phone #: 432-425-2891

email or Fax#: jtitworth@burnettoil.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation:

☐ NELAP ☐ Other

☐ EDD (Type)

Turn-Around Time:

☒ Standard ☐ Rush

Project Name:

Gisler B 3-3

Project #:

Project Manager:

Johnny Titworth

Sampler:

K. Titworth Initial

On Ice: ☒ Yes ☐ No

Sample Temperature: 66.3 degrees F

Date Time Matrix Sample Request ID

3/28/2019 5:30 AM 1-1
1-2
2-3
3-4
4-5
5-6

Container Type and #

4 oz.
4 oz.
4 oz.
4 oz.
4 oz.
4 oz.

Preservative Type

Ice
Ice
Ice
Ice
Ice
Ice

HEAL No.

1904045
-020
-021
-022
-023
-024
-025

Chloride

X

TPH 8015M

X

BTEX 8021B

X

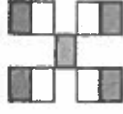
Air Bubbles (Y or N)

Analysis Request

Remarks: If total TPH exceeds 2,500 mg/kg - run deeper sample.
If total BTEX exceeds 50 mg/kg - run deeper sample
Benzene exceeds 10 mg/kg - run deeper sample

Date: 3/28/19 Time: 7:28 PM Relinquished by: [Signature]
Date: 3/28/19 Time: 1:00 PM Relinquished by: [Signature]
Received by: [Signature] Date: 3/28/19 Time: 01:30
Received by: [Signature] Date: 03/28/19 Time: 09:20

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.



**HALL ENVIRONMENTAL
ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107



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

September 19, 2019

Lucas Middleton

Atkins Engineering Associates

2904 West Second Street

Roswell, NM 88201

TEL:

FAX

RE: Gissler B 3 3 TB

OrderNo.: 1908B83

Dear Lucas Middleton:

Hall Environmental Analysis Laboratory received 7 sample(s) on 8/16/2019 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued August 29, 2019.

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 over a horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order: 1908B83

Date Reported: 9/19/2019

CLIENT: Atkins Engineering Associates

Lab Order: 1908B83

Project: Gissler B 3 3 TB

Lab ID: 1908B83-001

Collection Date: 8/14/2019 9:30:00 AM

Client Sample ID: BH1-5

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
SAR SOLUBLE CATIONS							Analyst: ELS
Calcium	3300	1.0		mg/L	1	9/13/2019 8:59:00 AM	R62921
Magnesium	520	1.0		mg/L	1	9/13/2019 8:59:00 AM	R62921
Sodium	17000	1.0		mg/L	1	9/13/2019 8:59:00 AM	R62921
Sodium Adsorption Ratio	74	0			1	9/13/2019 8:59:00 AM	R62921
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	15000	600		mg/Kg	200	8/26/2019 11:12:14 PM	46985

Lab ID: 1908B83-002

Collection Date: 8/14/2019 9:42:00 AM

Client Sample ID: BH1-10

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	6600	300		mg/Kg	100	8/26/2019 11:24:38 PM	46985

Lab ID: 1908B83-003

Collection Date: 8/14/2019 10:05:00 AM

Client Sample ID: BH1-15

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	9500	300		mg/Kg	100	8/26/2019 11:37:02 PM	46985

Lab ID: 1908B83-004

Collection Date: 8/14/2019 10:21:00 AM

Client Sample ID: BH1-20

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	3600	150		mg/Kg	50	8/27/2019 12:14:16 AM	46985

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
- 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 Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order: 1908B83

Date Reported: 9/19/2019

CLIENT: Atkins Engineering Associates

Lab Order: 1908B83

Project: Gissler B 3 3 TB

Lab ID: 1908B83-005

Collection Date: 8/14/2019 10:54:00 AM

Client Sample ID: BH1-30

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	2300	150		mg/Kg	50	8/27/2019 12:26:40 AM	46985

Lab ID: 1908B83-006

Collection Date: 8/14/2019 11:30:00 AM

Client Sample ID: BH1-35

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	540	60		mg/Kg	20	8/22/2019 3:51:45 PM	46985

Lab ID: 1908B83-007

Collection Date: 8/14/2019 11:50:00 AM

Client Sample ID: BH1-40

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
SAR SOLUBLE CATIONS							Analyst: ELS
Calcium	50	1.0		mg/L	1	9/13/2019 8:59:00 AM	R62921
Magnesium	6.2	1.0		mg/L	1	9/13/2019 8:59:00 AM	R62921
Sodium	18	1.0		mg/L	1	9/13/2019 8:59:00 AM	R62921
Sodium Adsorption Ratio	0.63	0			1	9/13/2019 8:59:00 AM	R62921
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	8/22/2019 4:04:10 PM	46985

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
	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 Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1908B83

19-Sep-19

Client: Atkins Engineering Associates

Project: Gissler B 3 3 TB

Sample ID: MB-46985	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 46985	RunNo: 62350								
Prep Date: 8/22/2019	Analysis Date: 8/22/2019	SeqNo: 2119770 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-46985	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 46985	RunNo: 62350								
Prep Date: 8/22/2019	Analysis Date: 8/22/2019	SeqNo: 2119771 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.0	90	110			

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

- H 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 Limit



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: ATK

Work Order Number: 1908B83

RcptNo: 1

Received By: *DM*

8/16/2019 9:00:00 AM

Completed By: Anne Thorne

8/21/2019 8:03:28 AM

Reviewed By: *AB*

8/21/19

Amu Thorne

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: DAD 8/21/19

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	3.4	Good	Not Present			
2	2.4	Good	Not Present			

Chain-of-Custody Record

Client: Attn Engineering

Mailing Address: 2100 W. 2nd St

Phone #: 575 499-6244

email or Fax#: scouting@attn.org

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:

☒ Standard ☐ Rush

Project Name:

Gissler B 3-3 TB

Project #:

bagissl drl.19

Project Manager:

Lucas Middleton

Sampler: LCA

On Ice: ☒ Yes ☐ No

of Coolers: 2

Cooler Temp (including cri): 3.8-4.3 99 27-04

Container Type and #

Preservative Type

HEAL No.

1908 B83

A02

201

202

203

204

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Remarks:

Bill to Burnett Oil
Add SAR to -1 and -7 per Lucas 9/6/19

Received by:

Via:

Date

Time

Date: 8/15

Time: 1100

Relinquished by: [Signature]

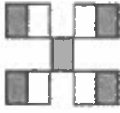
Date: 8/15/19

Time: 1900

Relinquished by: [Signature]

Date: 8/15/19

Time: 1900



**HALL ENVIRONMENTAL
ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

BTX / MTBE / TMB's (8021)
 TPH:8015D(GRO / DRO / MRO)
 8081 Pesticides/8082 PCB's
 EDB (Method 504.1)
 PAHs by 8310 or 8270SIMS
 RCRA 8 Metals
 Cl, F, Br, NO₂, NO₃, PO₄, SO₄
 8260 (VOA)
 8270 (Semi-VOA)
 Total Coliform (Present/Absent)



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

January 16, 2020

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

RE: Gissler 3 3TB

OrderNo.: 2001102

Dear Brian Burns:

Hall Environmental Analysis Laboratory received 41 sample(s) on 1/4/2020 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 light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2001102

Date Reported: 1/16/2020

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP1 0-1

Project: Gissler 3 3TB

Collection Date: 1/3/2020

Lab ID: 2001102-001

Matrix: SOIL

Received Date: 1/4/2020 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	230	60		mg/Kg	20	1/8/2020 11:00:17 AM	49687
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	5000	490		mg/Kg	50	1/8/2020 4:42:53 PM	49661
Motor Oil Range Organics (MRO)	4900	2400		mg/Kg	50	1/8/2020 4:42:53 PM	49661
Surr: DNOP	0	55.1-146	S	%Rec	50	1/8/2020 4:42:53 PM	49661
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/8/2020 10:04:58 AM	49648
Surr: BFB	96.0	66.6-105		%Rec	1	1/8/2020 10:04:58 AM	49648
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	1/8/2020 10:04:58 AM	49648
Toluene	ND	0.049		mg/Kg	1	1/8/2020 10:04:58 AM	49648
Ethylbenzene	ND	0.049		mg/Kg	1	1/8/2020 10:04:58 AM	49648
Xylenes, Total	ND	0.098		mg/Kg	1	1/8/2020 10:04:58 AM	49648
Surr: 4-Bromofluorobenzene	100	80-120		%Rec	1	1/8/2020 10:04:58 AM	49648

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
- 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 Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2001102

Date Reported: 1/16/2020

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP1 1-2

Project: Gissler 3 3TB

Collection Date: 1/3/2020

Lab ID: 2001102-002

Matrix: SOIL

Received Date: 1/4/2020 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	410	60		mg/Kg	20	1/8/2020 11:12:38 AM	49687
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	7000	500		mg/Kg	50	1/13/2020 11:11:49 AM	49747
Motor Oil Range Organics (MRO)	5200	2500		mg/Kg	50	1/13/2020 11:11:49 AM	49747
Surr: DNOP	0	55.1-146	S	%Rec	50	1/13/2020 11:11:49 AM	49747
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	1/13/2020 12:00:22 PM	49750
Surr: BFB	98.8	66.6-105		%Rec	1	1/13/2020 12:00:22 PM	49750

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 Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2001102

Date Reported: 1/16/2020

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP1 2-3

Project: Gissler 3 3TB

Collection Date: 1/3/2020

Lab ID: 2001102-003

Matrix: SOIL

Received Date: 1/4/2020 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	1100	60		mg/Kg	20	1/8/2020 11:24:59 AM	49687
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	4200	440		mg/Kg	50	1/13/2020 11:36:13 AM	49747
Motor Oil Range Organics (MRO)	3500	2200		mg/Kg	50	1/13/2020 11:36:13 AM	49747
Surr: DNOP	0	55.1-146	S	%Rec	50	1/13/2020 11:36:13 AM	49747
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/13/2020 12:23:20 PM	49750
Surr: BFB	93.8	66.6-105		%Rec	1	1/13/2020 12:23:20 PM	49750

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 Limit
S	% Recovery outside of range due to dilution or matrix	

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2001102

Date Reported: 1/16/2020

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP1 3-4

Project: Gissler 3 3TB

Collection Date: 1/3/2020

Lab ID: 2001102-004

Matrix: SOIL

Received Date: 1/4/2020 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	3400	150		mg/Kg	50	1/9/2020 6:19:22 PM	49687
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	730	92		mg/Kg	10	1/15/2020 4:07:40 PM	49810
Motor Oil Range Organics (MRO)	780	460		mg/Kg	10	1/15/2020 4:07:40 PM	49810
Surr: DNOP	0	55.1-146	S	%Rec	10	1/15/2020 4:07:40 PM	49810
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	1/15/2020 11:22:23 AM	49808
Surr: BFB	92.2	66.6-105		%Rec	1	1/15/2020 11:22:23 AM	49808

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
- 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
- F Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2001102

Date Reported: 1/16/2020

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP1 4-5

Project: Gissler 3 3TB

Collection Date: 1/3/2020

Lab ID: 2001102-005

Matrix: SOIL

Received Date: 1/4/2020 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	3700	150		mg/Kg	50	1/9/2020 6:31:42 PM	49687
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	500	97		mg/Kg	10	1/15/2020 4:17:00 PM	49810
Motor Oil Range Organics (MRO)	730	490		mg/Kg	10	1/15/2020 4:17:00 PM	49810
Surr: DNOP	0	55.1-146	S	%Rec	10	1/15/2020 4:17:00 PM	49810
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/15/2020 1:17:17 PM	49808
Surr: BFB	88.3	66.6-105		%Rec	1	1/15/2020 1:17:17 PM	49808

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	F	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 Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2001102

Date Reported: 1/16/2020

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP1 5-6

Project: Gissler 3 3TB

Collection Date: 1/3/2020

Lab ID: 2001102-006

Matrix: SOIL

Received Date: 1/4/2020 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	3600	150		mg/Kg	50	1/9/2020 6:44:02 PM	49687

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
- 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
- F Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2001102

Date Reported: 1/16/2020

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP2 0-1

Project: Gissler 3 3TB

Collection Date: 1/3/2020

Lab ID: 2001102-007

Matrix: SOIL

Received Date: 1/4/2020 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	ND	60		mg/Kg	20	1/8/2020 1:03:49 PM	49687
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	1600	490		mg/Kg	50	1/8/2020 4:51:59 PM	49661
Motor Oil Range Organics (MRO)	2500	2400		mg/Kg	50	1/8/2020 4:51:59 PM	49661
Surr: DNOP	0	55.1-146	S	%Rec	50	1/8/2020 4:51:59 PM	49661
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/8/2020 1:02:58 AM	49648
Surr: BFB	81.7	66.6-105		%Rec	1	1/8/2020 1:02:58 AM	49648
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	1/8/2020 1:02:58 AM	49648
Toluene	ND	0.047		mg/Kg	1	1/8/2020 1:02:58 AM	49648
Ethylbenzene	ND	0.047		mg/Kg	1	1/8/2020 1:02:58 AM	49648
Xylenes, Total	ND	0.093		mg/Kg	1	1/8/2020 1:02:58 AM	49648
Surr: 4-Bromofluorobenzene	86.8	80-120		%Rec	1	1/8/2020 1:02:58 AM	49648

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
- 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 Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2001102

Date Reported: 1/16/2020

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP2 1-2

Project: Gissler 3 3TB

Collection Date: 1/3/2020

Lab ID: 2001102-008

Matrix: SOIL

Received Date: 1/4/2020 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	ND	60		mg/Kg	20	1/8/2020 1:16:11 PM	49687

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 Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2001102

Date Reported: 1/16/2020

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP2 2-3

Project: Gissler 3 3TB

Collection Date: 1/3/2020

Lab ID: 2001102-009

Matrix: SOIL

Received Date: 1/4/2020 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	76	60		mg/Kg	20	1/8/2020 1:53:13 PM	49687

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	F	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 Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2001102

Date Reported: 1/16/2020

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP2 3-4

Project: Gissler 3 3TB

Collection Date: 1/3/2020

Lab ID: 2001102-010

Matrix: SOIL

Received Date: 1/4/2020 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	70	60		mg/Kg	20	1/8/2020 2:05:34 PM	49687

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	I* Sample pH Not In Range
PQL	Practical Quantitative Limit	RL Reporting Limit
S	% Recovery outside of range due to dilution or matrix	

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2001102

Date Reported: 1/16/2020

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP2 4-5

Project: Gissler 3 3TB

Collection Date: 1/3/2020

Lab ID: 2001102-011

Matrix: SOIL

Received Date: 1/4/2020 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	68	60		mg/Kg	20	1/8/2020 2:17:55 PM	49687

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 Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2001102

Date Reported: 1/16/2020

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP2 5-6

Project: Gissler 3 3TB

Collection Date: 1/3/2020

Lab ID: 2001102-012

Matrix: SOIL

Received Date: 1/4/2020 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	74	60		mg/Kg	20	1/8/2020 2:30:16 PM	49687

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 Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2001102

Date Reported: 1/16/2020

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP3 0-1

Project: Gissler 3 3TB

Collection Date: 1/3/2020

Lab ID: 2001102-013

Matrix: SOIL

Received Date: 1/4/2020 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	1700	60		mg/Kg	20	1/8/2020 2:42:38 PM	49687
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	5600	450		mg/Kg	50	1/8/2020 5:01:10 PM	49661
Motor Oil Range Organics (MRO)	4100	2300		mg/Kg	50	1/8/2020 5:01:10 PM	49661
Surr: DNOP	0	55.1-146	S	%Rec	50	1/8/2020 5:01:10 PM	49661
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	150	19		mg/Kg	4	1/8/2020 11:13:26 AM	49648
Surr: BFB	244	66.6-105	S	%Rec	4	1/8/2020 11:13:26 AM	49648
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.097		mg/Kg	4	1/8/2020 11:13:26 AM	49648
Toluene	0.44	0.19		mg/Kg	4	1/8/2020 11:13:26 AM	49648
Ethylbenzene	0.58	0.19		mg/Kg	4	1/8/2020 11:13:26 AM	49648
Xylenes, Total	1.7	0.39		mg/Kg	4	1/8/2020 11:13:26 AM	49648
Surr: 4-Bromofluorobenzene	106	80-120		%Rec	4	1/8/2020 11:13:26 AM	49648

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	F	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 Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2001102

Date Reported: 1/16/2020

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP3 1-2

Project: Gissler 3 3TB

Collection Date: 1/3/2020

Lab ID: 2001102-014

Matrix: SOIL

Received Date: 1/4/2020 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	460	60		mg/Kg	20	1/8/2020 2:54:58 PM	49687
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	5200	490		mg/Kg	50	1/13/2020 12:00:27 PM	49747
Motor Oil Range Organics (MRO)	4200	2400		mg/Kg	50	1/13/2020 12:00:27 PM	49747
Surr: DNOP	0	55.1-146	S	%Rec	50	1/13/2020 12:00:27 PM	49747
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	48	19		mg/Kg	4	1/13/2020 11:14:39 AM	49750
Surr: BFB	138	66.6-105	S	%Rec	4	1/13/2020 11:14:39 AM	49750

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 Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2001102

Date Reported: 1/16/2020

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP3 2-3

Project: Gissler 3 3TB

Collection Date: 1/3/2020

Lab ID: 2001102-015

Matrix: SOIL

Received Date: 1/4/2020 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	300	60		mg/Kg	20	1/8/2020 3:32:00 PM	49687
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	6500	420		mg/Kg	50	1/13/2020 12:24:54 PM	49747
Motor Oil Range Organics (MRO)	4200	2100		mg/Kg	50	1/13/2020 12:24:54 PM	49747
Surr: DNOP	0	55.1-146	S	%Rec	50	1/13/2020 12:24:54 PM	49747
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	290	19		mg/Kg	4	1/13/2020 11:37:37 AM	49750
Surr: BFB	445	66.6-105	S	%Rec	4	1/13/2020 11:37:37 AM	49750

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 Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2001102

Date Reported: 1/16/2020

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP3 3-4

Project: Gissler 3 3TB

Collection Date: 1/3/2020

Lab ID: 2001102-016

Matrix: SOIL

Received Date: 1/4/2020 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	840	60		mg/Kg	20	1/8/2020 3:44:21 PM	49687
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	1500	71		mg/Kg	10	1/15/2020 4:26:20 PM	49810
Motor Oil Range Organics (MRO)	710	360		mg/Kg	10	1/15/2020 4:26:20 PM	49810
Surr: DNOP	0	55.1-146	S	%Rec	10	1/15/2020 4:26:20 PM	49810
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	170	24		mg/Kg	5	1/15/2020 1:40:17 PM	49808
Surr: BFB	304	66.6-105	S	%Rec	5	1/15/2020 1:40:17 PM	49808

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 Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2001102

Date Reported: 1/16/2020

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP3 4-5

Project: Gissler 3 3TB

Collection Date: 1/3/2020

Lab ID: 2001102-017

Matrix: SOIL

Received Date: 1/4/2020 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	970	60		mg/Kg	20	1/8/2020 3:56:42 PM	49687
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	1200	91		mg/Kg	10	1/15/2020 4:35:40 PM	49810
Motor Oil Range Organics (MRO)	620	450		mg/Kg	10	1/15/2020 4:35:40 PM	49810
Surr: DNOP	0	55.1-146	S	%Rec	10	1/15/2020 4:35:40 PM	49810
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	190	24		mg/Kg	5	1/15/2020 2:03:20 PM	49808
Surr: BFB	296	66.6-105	S	%Rec	5	1/15/2020 2:03:20 PM	49808

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	F	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 Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2001102

Date Reported: 1/16/2020

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP4 0-1

Project: Gissler 3 3TB

Collection Date: 1/3/2020

Lab ID: 2001102-018

Matrix: SOIL

Received Date: 1/4/2020 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	ND	60		mg/Kg	20	1/8/2020 4:09:03 PM	49687
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	28	19		mg/Kg	2	1/9/2020 9:54:58 AM	49661
Motor Oil Range Organics (MRO)	120	93		mg/Kg	2	1/9/2020 9:54:58 AM	49661
Surr: DNOP	100	55.1-146		%Rec	2	1/9/2020 9:54:58 AM	49661
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/8/2020 2:10:34 AM	49648
Surr: BFB	83.8	66.6-105		%Rec	1	1/8/2020 2:10:34 AM	49648
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	1/8/2020 2:10:34 AM	49648
Toluene	ND	0.049		mg/Kg	1	1/8/2020 2:10:34 AM	49648
Ethylbenzene	ND	0.049		mg/Kg	1	1/8/2020 2:10:34 AM	49648
Xylenes, Total	ND	0.099		mg/Kg	1	1/8/2020 2:10:34 AM	49648
Surr: 4-Bromofluorobenzene	90.8	80-120		%Rec	1	1/8/2020 2:10:34 AM	49648

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	F	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 Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2001102

Date Reported: 1/16/2020

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP4 1-2

Project: Gissler 3 3TB

Collection Date: 1/3/2020

Lab ID: 2001102-019

Matrix: SOIL

Received Date: 1/4/2020 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	ND	60		mg/Kg	20	1/8/2020 4:21:24 PM	49687

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 Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2001102

Date Reported: 1/16/2020

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP4 2-3

Project: Gissler 3 3TB

Collection Date: 1/3/2020

Lab ID: 2001102-020

Matrix: SOIL

Received Date: 1/4/2020 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	ND	60		mg/Kg	20	1/8/2020 4:33:45 PM	49687

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 Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2001102

Date Reported: 1/16/2020

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP4 3-4

Project: Gissler 3 3TB

Collection Date: 1/3/2020

Lab ID: 2001102-021

Matrix: SOIL

Received Date: 1/4/2020 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	62	60		mg/Kg	20	1/8/2020 6:49:33 PM	49697

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 Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2001102

Date Reported: 1/16/2020

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP4 4-5

Project: Gissler 3 3TB

Collection Date: 1/3/2020

Lab ID: 2001102-022

Matrix: SOIL

Received Date: 1/4/2020 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	72	60		mg/Kg	20	1/8/2020 7:01:52 PM	49697

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 Limit
	S % Recovery outside of range due to dilution or matrix	

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2001102

Date Reported: 1/16/2020

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP4 5-6

Project: Gissler 3 3TB

Collection Date: 1/3/2020

Lab ID: 2001102-023

Matrix: SOIL

Received Date: 1/4/2020 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	100	60		mg/Kg	20	1/8/2020 7:38:54 PM	49697

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	F	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 Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2001102

Date Reported: 1/16/2020

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP5 0-1

Project: Gissler 3 3TB

Collection Date: 1/3/2020

Lab ID: 2001102-024

Matrix: SOIL

Received Date: 1/4/2020 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	ND	60		mg/Kg	20	1/8/2020 7:51:16 PM	49697
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	1/8/2020 5:19:27 PM	49661
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	1/8/2020 5:19:27 PM	49661
Surr: DNOP	102	55.1-146		%Rec	1	1/8/2020 5:19:27 PM	49661
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	1/8/2020 2:33:08 AM	49648
Surr: BFB	83.7	66.6-105		%Rec	1	1/8/2020 2:33:08 AM	49648
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	1/8/2020 2:33:08 AM	49648
Toluene	ND	0.050		mg/Kg	1	1/8/2020 2:33:08 AM	49648
Ethylbenzene	ND	0.050		mg/Kg	1	1/8/2020 2:33:08 AM	49648
Xylenes, Total	ND	0.099		mg/Kg	1	1/8/2020 2:33:08 AM	49648
Surr: 4-Bromofluorobenzene	89.7	80-120		%Rec	1	1/8/2020 2:33:08 AM	49648

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	F	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 Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2001102

Date Reported: 1/16/2020

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP5 1-2

Project: Gissler 3 3TB

Collection Date: 1/3/2020

Lab ID: 2001102-025

Matrix: SOIL

Received Date: 1/4/2020 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	ND	60		mg/Kg	20	1/8/2020 8:28:18 PM	49697

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	F	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 Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2001102

Date Reported: 1/16/2020

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP5 2-3

Project: Gissler 3 3TB

Collection Date: 1/3/2020

Lab ID: 2001102-026

Matrix: SOIL

Received Date: 1/4/2020 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	110	59		mg/Kg	20	1/8/2020 8:40:39 PM	49697

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	F	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 Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2001102

Date Reported: 1/16/2020

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP5 3-4

Project: Gissler 3 3TB

Collection Date: 1/3/2020

Lab ID: 2001102-027

Matrix: SOIL

Received Date: 1/4/2020 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	3300	150		mg/Kg	50	1/9/2020 6:56:23 PM	49697

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	F	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 Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2001102

Date Reported: 1/16/2020

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP5 4-5

Project: Gissler 3 3TB

Collection Date: 1/3/2020

Lab ID: 2001102-028

Matrix: SOIL

Received Date: 1/4/2020 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	2400	150		mg/Kg	50	1/9/2020 7:33:26 PM	49697

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 Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2001102

Date Reported: 1/16/2020

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP6 0-1

Project: Gissler 3 3TB

Collection Date: 1/3/2020

Lab ID: 2001102-029

Matrix: SOIL

Received Date: 1/4/2020 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	140	60		mg/Kg	20	1/8/2020 9:17:41 PM	49697
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	1/8/2020 5:28:33 PM	49661
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	1/8/2020 5:28:33 PM	49661
Surr: DNOP	119	55.1-146		%Rec	1	1/8/2020 5:28:33 PM	49661
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/8/2020 2:55:38 AM	49648
Surr: BFB	82.6	66.6-105		%Rec	1	1/8/2020 2:55:38 AM	49648
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	1/8/2020 2:55:38 AM	49648
Toluene	ND	0.049		mg/Kg	1	1/8/2020 2:55:38 AM	49648
Ethylbenzene	ND	0.049		mg/Kg	1	1/8/2020 2:55:38 AM	49648
Xylenes, Total	ND	0.098		mg/Kg	1	1/8/2020 2:55:38 AM	49648
Surr: 4-Bromofluorobenzene	88.4	80-120		%Rec	1	1/8/2020 2:55:38 AM	49648

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	F 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 Limit
S	% Recovery outside of range due to dilution or matrix	

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2001102

Date Reported: 1/16/2020

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP6 1-2

Project: Gissler 3 3TB

Collection Date: 1/3/2020

Lab ID: 2001102-030

Matrix: SOIL

Received Date: 1/4/2020 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	130	60		mg/Kg	20	1/8/2020 9:30:02 PM	49697

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 Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2001102

Date Reported: 1/16/2020

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP6 2-3

Project: Gissler 3 3TB

Collection Date: 1/3/2020

Lab ID: 2001102-031

Matrix: SOIL

Received Date: 1/4/2020 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	140	60		mg/Kg	20	1/8/2020 9:42:23 PM	49697

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

Qualifiers:	•	Value exceeds Maximum Contaminant Level	D	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 Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2001102

Date Reported: 1/16/2020

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP6 3-4

Project: Gissler 3 3TB

Collection Date: 1/3/2020

Lab ID: 2001102-032

Matrix: SOIL

Received Date: 1/4/2020 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	230	60		mg/Kg	20	1/8/2020 9:54:45 PM	49697

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 Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2001102

Date Reported: 1/16/2020

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP6 4-5

Project: Gissler 3 3TB

Collection Date: 1/3/2020

Lab ID: 2001102-033

Matrix: SOIL

Received Date: 1/4/2020 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	230	60		mg/Kg	20	1/8/2020 10:07:06 PM	49697

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 Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2001102

Date Reported: 1/16/2020

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP6 5-6

Project: Gissler 3 3TB

Collection Date: 1/3/2020

Lab ID: 2001102-034

Matrix: SOIL

Received Date: 1/4/2020 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	2800	150		mg/Kg	50	1/9/2020 7:45:47 PM	49697

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 Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2001102

Date Reported: 1/16/2020

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP7 0-1

Project: Gissler 3 3TB

Collection Date: 1/3/2020

Lab ID: 2001102-035

Matrix: SOIL

Received Date: 1/4/2020 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	4300	150		mg/Kg	50	1/9/2020 7:58:07 PM	49697
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	27	9.5		mg/Kg	1	1/9/2020 10:04:07 AM	49661
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/9/2020 10:04:07 AM	49661
Surr: DNOP	98.0	55.1-146		%Rec	1	1/9/2020 10:04:07 AM	49661
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/8/2020 3:18:07 AM	49648
Surr: BFB	79.8	66.6-105		%Rec	1	1/8/2020 3:18:07 AM	49648
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	1/8/2020 3:18:07 AM	49648
Toluene	ND	0.048		mg/Kg	1	1/8/2020 3:18:07 AM	49648
Ethylbenzene	ND	0.048		mg/Kg	1	1/8/2020 3:18:07 AM	49648
Xylenes, Total	ND	0.095		mg/Kg	1	1/8/2020 3:18:07 AM	49648
Surr: 4-Bromofluorobenzene	84.4	80-120		%Rec	1	1/8/2020 3:18:07 AM	49648

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 Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2001102

Date Reported: 1/16/2020

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP7 1-2

Project: Gissler 3 3TB

Collection Date: 1/3/2020

Lab ID: 2001102-036

Matrix: SOIL

Received Date: 1/4/2020 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	920	60		mg/Kg	20	1/8/2020 11:08:50 PM	49697

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 Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2001102

Date Reported: 1/16/2020

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP7 2-3

Project: Gissler 3 3TB

Collection Date: 1/3/2020

Lab ID: 2001102-037

Matrix: SOIL

Received Date: 1/4/2020 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	1300	60		mg/Kg	20	1/8/2020 11:21:11 PM	49697

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 Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2001102

Date Reported: 1/16/2020

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP8 0-1

Project: Gissler 3 3TB

Collection Date: 1/3/2020

Lab ID: 2001102-038

Matrix: SOIL

Received Date: 1/4/2020 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	240	60		mg/Kg	20	1/8/2020 11:33:31 PM	49697
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	1/8/2020 5:46:43 PM	49661
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	1/8/2020 5:46:43 PM	49661
Surr: DNOP	109	55.1-146		%Rec	1	1/8/2020 5:46:43 PM	49661
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/8/2020 3:40:37 AM	49648
Surr: BFB	81.2	66.6-105		%Rec	1	1/8/2020 3:40:37 AM	49648
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	1/8/2020 3:40:37 AM	49648
Toluene	ND	0.047		mg/Kg	1	1/8/2020 3:40:37 AM	49648
Ethylbenzene	ND	0.047		mg/Kg	1	1/8/2020 3:40:37 AM	49648
Xylenes, Total	ND	0.094		mg/Kg	1	1/8/2020 3:40:37 AM	49648
Surr: 4-Bromofluorobenzene	86.5	80-120		%Rec	1	1/8/2020 3:40:37 AM	49648

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 Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2001102

Date Reported: 1/16/2020

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP8 1-2

Project: Gissler 3 3TB

Collection Date: 1/3/2020

Lab ID: 2001102-039

Matrix: SOIL

Received Date: 1/4/2020 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	830	60		mg/Kg	20	1/9/2020 2:47:53 PM	49719

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 Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2001102

Date Reported: 1/16/2020

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP9 0-1

Project: Gissler 3 3TB

Collection Date: 1/3/2020

Lab ID: 2001102-040

Matrix: SOIL

Received Date: 1/4/2020 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	160	60		mg/Kg	20	1/9/2020 3:00:17 PM	49719
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	41	9.4		mg/Kg	1	1/9/2020 10:13:16 AM	49661
Motor Oil Range Organics (MRO)	84	47		mg/Kg	1	1/9/2020 10:13:16 AM	49661
Surr: DNOP	106	55.1-146		%Rec	1	1/9/2020 10:13:16 AM	49661
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/8/2020 4:03:04 AM	49648
Surr: BFB	80.5	66.6-105		%Rec	1	1/8/2020 4:03:04 AM	49648
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	1/8/2020 4:03:04 AM	49648
Toluene	ND	0.049		mg/Kg	1	1/8/2020 4:03:04 AM	49648
Ethylbenzene	ND	0.049		mg/Kg	1	1/8/2020 4:03:04 AM	49648
Xylenes, Total	ND	0.099		mg/Kg	1	1/8/2020 4:03:04 AM	49648
Surr: 4-Bromofluorobenzene	83.9	80-120		%Rec	1	1/8/2020 4:03:04 AM	49648

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 Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2001102

Date Reported: 1/16/2020

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP9 1-2

Project: Gissler 3 3TB

Collection Date: 1/3/2020

Lab ID: 2001102-041

Matrix: SOIL

Received Date: 1/4/2020 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	290	61		mg/Kg	20	1/9/2020 3:12:42 PM	49719

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 Limit
	S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2001102

16-Jan-20

Client: Burnett Oil Co Inc

Project: Gissler 3 3TB

Sample ID: MB-49687	SampType: mblk	TestCode: EPA Method 300.0: Anions
Client ID: PBS	Batch ID: 49687	RunNo: 65657
Prep Date: 1/8/2020	Analysis Date: 1/8/2020	SeqNo: 2255161 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	ND	1.5

Sample ID: LCS-49687	SampType: lcs	TestCode: EPA Method 300.0: Anions
Client ID: LCSS	Batch ID: 49687	RunNo: 65657
Prep Date: 1/8/2020	Analysis Date: 1/8/2020	SeqNo: 2255162 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	14	1.5 15.00 0 94.0 90 110

Sample ID: MB-49697	SampType: mblk	TestCode: EPA Method 300.0: Anions
Client ID: PBS	Batch ID: 49697	RunNo: 65657
Prep Date: 1/8/2020	Analysis Date: 1/8/2020	SeqNo: 2255191 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	ND	1.5

Sample ID: LCS-49697	SampType: lcs	TestCode: EPA Method 300.0: Anions
Client ID: LCSS	Batch ID: 49697	RunNo: 65657
Prep Date: 1/8/2020	Analysis Date: 1/8/2020	SeqNo: 2255192 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	14	1.5 15.00 0 94.3 90 110

Sample ID: MB-49719	SampType: mblk	TestCode: EPA Method 300.0: Anions
Client ID: PBS	Batch ID: 49719	RunNo: 65669
Prep Date: 1/9/2020	Analysis Date: 1/9/2020	SeqNo: 2256368 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	ND	1.5

Sample ID: LCS-49719	SampType: lcs	TestCode: EPA Method 300.0: Anions
Client ID: LCSS	Batch ID: 49719	RunNo: 65669
Prep Date: 1/9/2020	Analysis Date: 1/9/2020	SeqNo: 2256369 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	14	1.5 15.00 0 94.1 90 110

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 Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2001102

16-Jan-20

Client: Burnett Oil Co Inc

Project: Gissler 3 3TB

Sample ID: LCS-49661	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 49661	RunNo: 65636								
Prep Date: 1/7/2020	Analysis Date: 1/8/2020	SeqNo: 2254953	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	100	63.9	124			
Surr: DNOP	4.7		5.000		94.8	55.1	146			

Sample ID: MB-49661	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 49661	RunNo: 65636								
Prep Date: 1/7/2020	Analysis Date: 1/8/2020	SeqNo: 2254954	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	12		10.00		119	55.1	146			

Sample ID: LCS-49747	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 49747	RunNo: 65722								
Prep Date: 1/10/2020	Analysis Date: 1/13/2020	SeqNo: 2257471	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	56	10	50.00	0	111	63.9	124			
Surr: DNOP	4.7		5.000		93.4	55.1	146			

Sample ID: MB-49747	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 49747	RunNo: 65722								
Prep Date: 1/10/2020	Analysis Date: 1/13/2020	SeqNo: 2257472	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		99.8	55.1	146			

Sample ID: LCS-49810	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 49810	RunNo: 65797								
Prep Date: 1/14/2020	Analysis Date: 1/15/2020	SeqNo: 2259908	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	98.6	63.9	124			
Surr: DNOP	4.0		5.000		80.2	55.1	146			

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 *a 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 Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2001102

16-Jan-20

Client: Burnett Oil Co Inc

Project: Gissler 3 3TB

Sample ID: MB-49810	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 49810	RunNo: 65797								
Prep Date: 1/14/2020	Analysis Date: 1/15/2020	SeqNo: 2259910		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	8.7		10.00		87.1	55.1	146			

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
I* Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2001102

16-Jan-20

Client: Bumett Oil Co Inc

Project: Gissler 3 3TB

Sample ID: mb-49648	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 49648	RunNo: 65620								
Prep Date: 1/6/2020	Analysis Date: 1/7/2020	SeqNo: 2254086 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

900

1000

89.6

66.6

105

Sample ID: lcs-49648	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 49648	RunNo: 65620								
Prep Date: 1/6/2020	Analysis Date: 1/7/2020	SeqNo: 2254087 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

98.8

80

120

Surr: BFB

1000

1000

102

66.6

105

Sample ID: mb-49750	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 49750	RunNo: 65732								
Prep Date: 1/10/2020	Analysis Date: 1/13/2020	SeqNo: 2257935 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

950

1000

95.2

66.6

105

Sample ID: lcs-49750	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 49750	RunNo: 65732								
Prep Date: 1/10/2020	Analysis Date: 1/13/2020	SeqNo: 2257936 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Gasoline Range Organics (GRO)

24

5.0

25.00

0

96.6

80

120

Surr: BFB

1100

1000

105

66.6

105

S

Sample ID: mb-49808	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 49808	RunNo: 65822								
Prep Date: 1/14/2020	Analysis Date: 1/15/2020	SeqNo: 2260432 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

960

1000

95.8

66.6

105

Sample ID: lcs-49808	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 49808	RunNo: 65822								
Prep Date: 1/14/2020	Analysis Date: 1/15/2020	SeqNo: 2260433			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

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 Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2001102

16-Jan-20

Client: Burnett Oil Co Inc

Project: Gissler 3 3TB

Sample ID: Ics-49808	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 49808	RunNo: 65822								
Prep Date: 1/14/2020	Analysis Date: 1/15/2020	SeqNo: 2260433 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	105	80	120			
Surr: BFB	1100		1000		106	66.6	105			S

Sample ID: 2001102-004ams	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: SP1 3-4	Batch ID: 49808	RunNo: 65822								
Prep Date: 1/14/2020	Analysis Date: 1/15/2020	SeqNo: 2260435 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	24.98	0	114	69.1	142			
Surr: BFB	1000		999.0		104	66.6	105			

Sample ID: 2001102-004amsd	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: SP1 3-4	Batch ID: 49808	RunNo: 65822								
Prep Date: 1/14/2020	Analysis Date: 1/15/2020	SeqNo: 2260436 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	4.9	24.44	0	105	69.1	142	10.4	20	
Surr: BFB	1000		977.5		105	66.6	105	0	0	S

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 Limit
S % Recovery outside of range due to dilution or matrix	

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2001102

16-Jan-20

Client: Burnett Oil Co Inc

Project: Gissler 3 3TB

Sample ID: mb-49648	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 49648		RunNo: 65620							
Prep Date: 1/6/2020	Analysis Date: 1/7/2020		SeqNo: 2254136		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	0.94		1.000		94.1	80	120			

Sample ID: LCS-49648	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch ID: 49648			RunNo: 65620						
Prep Date: 1/6/2020	Analysis Date: 1/7/2020			SeqNo: 2254137		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	99.6	80	120			
Toluene	0.98	0.050	1.000	0	97.6	80	120			
Ethylbenzene	0.97	0.050	1.000	0	97.0	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.5	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		100	80	120			

Sample ID: 2001102-001ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: SP1 0-1	Batch ID: 49648	RunNo: 65652								
Prep Date: 1/6/2020	Analysis Date: 1/8/2020	SeqNo: 2255011 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.84	0.024	0.9671	0	86.7	78.5	119			
Toluene	0.82	0.048	0.9671	0.006371	84.4	75.7	123			
Ethylbenzene	0.81	0.048	0.9671	0.007600	82.6	74.3	126			
Xylenes, Total	2.4	0.097	2.901	0.02407	81.0	72.9	130			
Surr: 4-Bromofluorobenzene	0.94		0.9671		96.9	80	120			

Sample ID: 2001102-001amsd	SampType: MSD		TestCode: EPA Method 8021B: Volatiles							
Client ID: SP1 0-1	Batch ID: 49648		RunNo: 65652							
Prep Date: 1/6/2020	Analysis Date: 1/8/2020		SeqNo: 2255012		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.86	0.024	0.9497	0	90.9	78.5	119	2.87	20	
Toluene	0.85	0.047	0.9497	0.006371	88.4	75.7	123	2.77	20	
Ethylbenzene	0.83	0.047	0.9497	0.007600	86.4	74.3	126	2.59	20	
Xylenes, Total	2.4	0.095	2.849	0.02407	84.2	72.9	130	2.05	20	
Surr: 4-Bromofluorobenzene	0.92		0.9497		97.1	80	120	0	0	

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 Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2001102

16-Jan-20

Client: Burnett Oil Co Inc

Project: Gissler 3 3TB

Sample ID: mb-49750	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles
Client ID: PBS	Batch ID: 49750	RunNo: 65732
Prep Date: 1/10/2020	Analysis Date: 1/13/2020	SeqNo: 2257972 Units: %Rec
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: 4-Bromofluorobenzene	1.0	1.000 101 80 120

Sample ID: LCS-49750	SampType: LCS	TestCode: EPA Method 8021B: Volatiles
Client ID: LCSS	Batch ID: 49750	RunNo: 65732
Prep Date: 1/10/2020	Analysis Date: 1/13/2020	SeqNo: 2257973 Units: %Rec
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: 4-Bromofluorobenzene	1.1	1.000 108 80 120

Sample ID: mb-49808	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles
Client ID: PBS	Batch ID: 49808	RunNo: 65822
Prep Date: 1/14/2020	Analysis Date: 1/15/2020	SeqNo: 2260480 Units: %Rec
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: 4-Bromofluorobenzene	0.98	1.000 97.9 80 120

Sample ID: LCS-49808	SampType: LCS	TestCode: EPA Method 8021B: Volatiles
Client ID: LCSS	Batch ID: 49808	RunNo: 65822
Prep Date: 1/14/2020	Analysis Date: 1/15/2020	SeqNo: 2260481 Units: %Rec
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: 4-Bromofluorobenzene	0.97	1.000 97.0 80 120

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 Limit
S % Recovery outside of range due to dilution or matrix	

Sample Log-In Check List

Client Name: BURNETT OIL CO INC

Work Order Number: 2001102

RcptNo: 1

Received By: Yazmine Garduno

1/4/2020 9:45:00 AM

Abstract

Completed By: Yazmine Garduno

1/4/2020 12:48:29 PM

Referring to the

Reviewed By: DAD 1/6/20

Chain of Custody

1. Is Chain of Custody sufficiently 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. Received at least 1 vial with headspace $<1/4"$ for AQ VOA? | Yes ☐ | No ☐ | NA ☒ |
| 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)

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 °C	Condition	Seal Intact?	Seal No.	Seal Date	Signed By
1	2.8	Good				
2	4.0	Good				
3	2.2	Good				

Appendix B

Site Diagram – Site Diagram with Confirmation Sampling

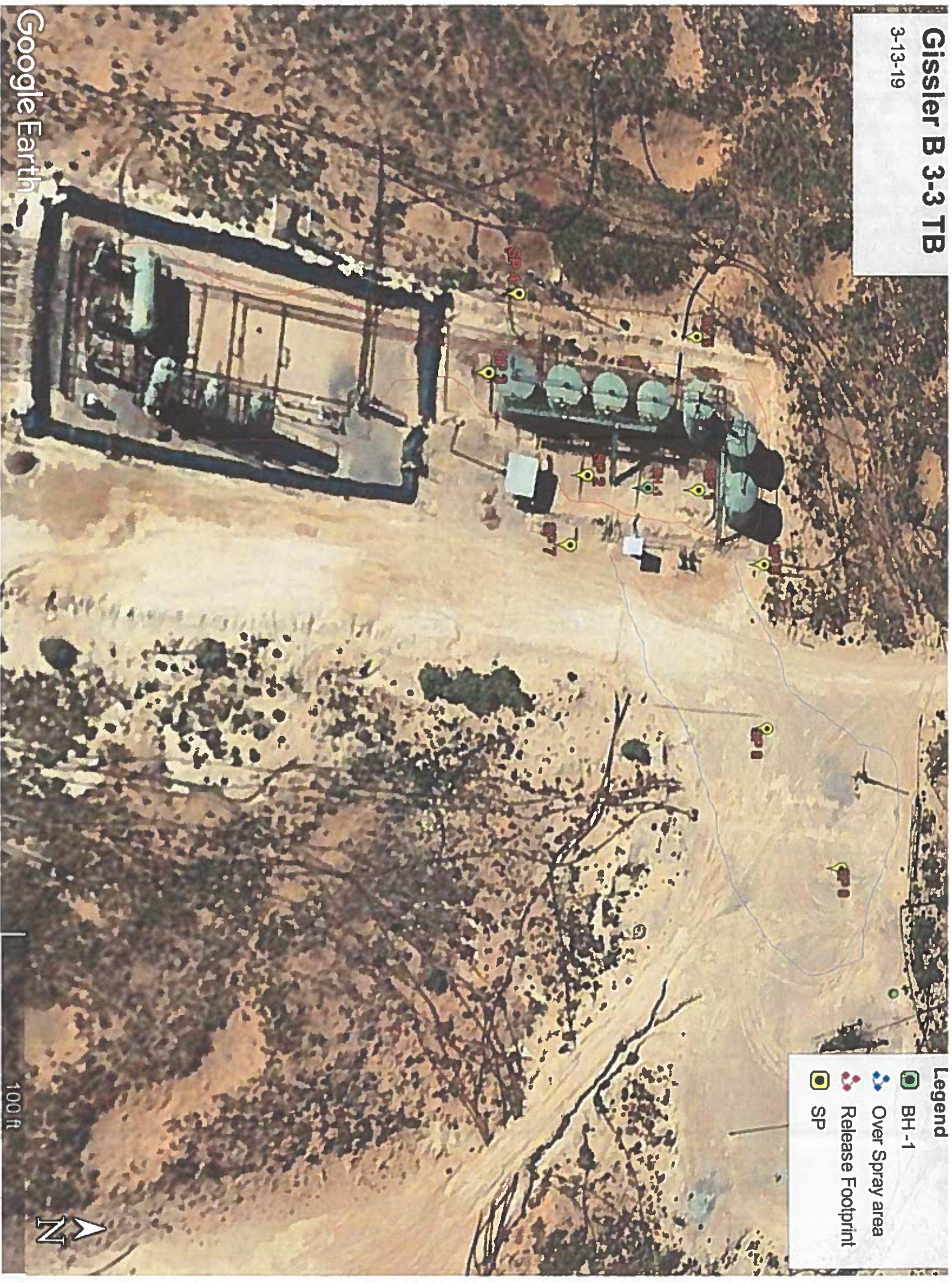
Gissler B 3-3 Tank Battery

03-13-19 release

Gissler B 3-3 TB

3-13-19

- Legend**
- BH -1
 - Over Spray area
 - Release Footprint
 - SP



Gissler B 3-3 TB

3-13-19



Gissler B 3-3 TB
3-13-19

Google Earth



Legend

- BH-1
- Over Spray area
- Release Footprint
- SP

100 ft

