



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

July 10, 2018

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

RE: GJSAU 22 INJ Line

OrderNo.: 1806G85

Dear Johnny Titsworth:

Hall Environmental Analysis Laboratory received 32 sample(s) on 6/28/2018 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

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

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order: 1806G85

Date Reported: 7/10/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Burnett Oil Co Inc
Project: GJSAU 22 INJ Line

Lab Order: 1806G85

Lab ID: 1806G85-001

Collection Date: 6/26/2018

Client Sample ID: SP1 0-1

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	5300	300		mg/Kg	200	7/9/2018 10:40:20 AM	39059
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: irm
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	6/29/2018 8:14:36 PM	38953
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/29/2018 8:14:36 PM	38953
Surr: DNOP	109	70-130		%Rec	1	6/29/2018 8:14:36 PM	38953
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/29/2018 7:29:10 PM	38950
Surr: BFB	93.8	15-316		%Rec	1	6/29/2018 7:29:10 PM	38950
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	6/29/2018 7:29:10 PM	38950
Toluene	ND	0.049		mg/Kg	1	6/29/2018 7:29:10 PM	38950
Ethylbenzene	ND	0.049		mg/Kg	1	6/29/2018 7:29:10 PM	38950
Xylenes, Total	ND	0.098		mg/Kg	1	6/29/2018 7:29:10 PM	38950
Surr: 4-Bromofluorobenzene	105	80-120		%Rec	1	6/29/2018 7:29:10 PM	38950

Lab ID: 1806G85-002

Collection Date: 6/26/2018

Client Sample ID: SP1 1-2

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	5500	300		mg/Kg	200	7/9/2018 6:16:05 PM	39073

Lab ID: 1806G85-003

Collection Date: 6/26/2018

Client Sample ID: SP1 2-3

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	8200	300		mg/Kg	200	7/9/2018 6:28:30 PM	39073

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	Page 1 of 14
	D Sample Diluted Due to Matrix	E Value above quantitation range	
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits	
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range	
	PQL Practical Quantitative Limit	RL Reporting Detection Limit	

Analytical Report

Lab Order: 1806G85

Date Reported: 7/10/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Burnett Oil Co Inc
Project: GJSAU 22 INJ Line

Lab Order: 1806G85

Lab ID: 1806G85-004

Collection Date: 6/26/2018

Client Sample ID: SP1 3-4

Matrix: SOIL

Table with 8 columns: Analyses, Result, PQL, Qual, Units, DF, Date Analyzed, Batch ID. Row 1: EPA METHOD 300.0: ANIONS, Analyst: MRA. Row 2: Chloride, 8500, 300, mg/Kg, 200, 7/9/2018 6:40:55 PM, 39073.

Lab ID: 1806G85-005

Collection Date: 6/26/2018

Client Sample ID: SP2 0-1

Matrix: SOIL

Table with 8 columns: Analyses, Result, PQL, Qual, Units, DF, Date Analyzed, Batch ID. Rows include EPA METHOD 300.0: ANIONS (Analyst: MRA), EPA METHOD 8015M/D: DIESEL RANGE ORGANICS (Analyst: lrm), EPA METHOD 8015D: GASOLINE RANGE (Analyst: NSB), and EPA METHOD 8021B: VOLATILES (Analyst: NSB).

Lab ID: 1806G85-006

Collection Date: 6/26/2018

Client Sample ID: SP2 1-2

Matrix: SOIL

Table with 8 columns: Analyses, Result, PQL, Qual, Units, DF, Date Analyzed, Batch ID. Row 1: EPA METHOD 300.0: ANIONS, Analyst: MRA. Row 2: Chloride, 7900, 300, mg/Kg, 200, 7/9/2018 7:05:44 PM, 39073.

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

Table with 2 columns: Qualifiers and descriptions. Includes codes like *, D, H, ND, PQL, B, E, J, P, RL and their corresponding meanings.

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Burnett Oil Co Inc
Project: GJSAU 22 INJ Line

Lab Order: 1806G85

Lab ID: 1806G85-007

Collection Date: 6/26/2018

Client Sample ID: SP2 2-3

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	9100	300		mg/Kg	200	7/9/2018 7:18:08 PM	39073

Lab ID: 1806G85-008

Collection Date: 6/26/2018

Client Sample ID: SP2 3-4

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	15000	750		mg/Kg	500	7/9/2018 7:30:32 PM	39073

Lab ID: 1806G85-009

Collection Date: 6/26/2018

Client Sample ID: SP3 0-1

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	4000	150		mg/Kg	100	7/9/2018 7:42:57 PM	39073
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: lrm
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	6/29/2018 8:59:16 PM	38953
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/29/2018 8:59:16 PM	38953
Surr: DNOP	104	70-130		%Rec	1	6/29/2018 8:59:16 PM	38953
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	6/29/2018 8:15:55 PM	38950
Surr: BFB	93.3	15-316		%Rec	1	6/29/2018 8:15:55 PM	38950
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	6/29/2018 8:15:55 PM	38950
Toluene	ND	0.046		mg/Kg	1	6/29/2018 8:15:55 PM	38950
Ethylbenzene	ND	0.046		mg/Kg	1	6/29/2018 8:15:55 PM	38950
Xylenes, Total	ND	0.091		mg/Kg	1	6/29/2018 8:15:55 PM	38950
Surr: 4-Bromofluorobenzene	104	80-120		%Rec	1	6/29/2018 8:15:55 PM	38950

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

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit

Analytical Report

Lab Order: 1806G85

Date Reported: 7/10/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Burnett Oil Co Inc
Project: GJSAU 22 INJ Line

Lab Order: 1806G85

Lab ID: 1806G85-010

Collection Date: 6/26/2018

Client Sample ID: SP3 1-2

Matrix: SOIL

Table with 7 columns: Analyses, Result, PQL, Qual, Units, DF, Date Analyzed, Batch ID. Row 1: EPA METHOD 300.0: ANIONS, Chloride, 6600, 300, mg/Kg, 200, 7/9/2018 8:20:10 PM, 39073. Analyst: MRA.

Lab ID: 1806G85-011

Collection Date: 6/26/2018

Client Sample ID: SP3 2-3

Matrix: SOIL

Table with 7 columns: Analyses, Result, PQL, Qual, Units, DF, Date Analyzed, Batch ID. Row 1: EPA METHOD 300.0: ANIONS, Chloride, 8500, 300, mg/Kg, 200, 7/9/2018 8:32:35 PM, 39073. Analyst: MRA.

Lab ID: 1806G85-012

Collection Date: 6/26/2018

Client Sample ID: SP3 3-4

Matrix: SOIL

Table with 7 columns: Analyses, Result, PQL, Qual, Units, DF, Date Analyzed, Batch ID. Row 1: EPA METHOD 300.0: ANIONS, Chloride, 11000, 750, mg/Kg, 500, 7/9/2018 8:45:00 PM, 39073. Analyst: MRA.

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

Table with 2 columns: Qualifiers and descriptions. Includes codes like *, D, H, ND, PQL, B, E, J, P, RL and their corresponding meanings.

Analytical Report

Lab Order: 1806G85

Date Reported: 7/10/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Burnett Oil Co Inc
 Project: GJSAU 22 INJ Line

Lab Order: 1806G85

Lab ID: 1806G85-013

Collection Date: 6/26/2018

Client Sample ID: SP4 0-1

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	5600	300		mg/Kg	200	7/9/2018 8:57:24 PM	39073
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: Irm
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	6/29/2018 9:21:27 PM	38953
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/29/2018 9:21:27 PM	38953
Surr: DNOP	89.4	70-130		%Rec	1	6/29/2018 9:21:27 PM	38953
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/29/2018 8:39:18 PM	38950
Surr: BFB	95.0	15-316		%Rec	1	6/29/2018 8:39:18 PM	38950
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	6/29/2018 8:39:18 PM	38950
Toluene	ND	0.047		mg/Kg	1	6/29/2018 8:39:18 PM	38950
Ethylbenzene	ND	0.047		mg/Kg	1	6/29/2018 8:39:18 PM	38950
Xylenes, Total	ND	0.094		mg/Kg	1	6/29/2018 8:39:18 PM	38950
Surr: 4-Bromofluorobenzene	106	80-120		%Rec	1	6/29/2018 8:39:18 PM	38950

Lab ID: 1806G85-014

Collection Date: 6/26/2018

Client Sample ID: SP4 1-2

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	9700	750		mg/Kg	500	7/9/2018 9:09:48 PM	39073

Lab ID: 1806G85-015

Collection Date: 6/26/2018

Client Sample ID: SP4 2-3

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	10000	750		mg/Kg	500	7/9/2018 9:22:13 PM	39073

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	Page 5 of 14
	D	Sample Diluted Due to Matrix	E	Value above quantitation range	
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range	
	PQL	Practical Quantitative Limit	RL	Reporting Detection Limit	

Analytical Report

Lab Order: 1806G85

Date Reported: 7/10/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Burnett Oil Co Inc
Project: GJSAU 22 INJ Line

Lab Order: 1806G85

Lab ID: 1806G85-016
Client Sample ID: SP4 3-4

Collection Date: 6/26/2018
Matrix: SOIL

Table with 8 columns: Analyses, Result, PQL, Qual, Units, DF, Date Analyzed, Batch ID. Row 1: EPA METHOD 300.0: ANIONS, Chloride, 9800, 750, mg/Kg, 500, 7/9/2018 9:34:37 PM, 39073. Analyst: MRA

Lab ID: 1806G85-017
Client Sample ID: SP4 4-5

Collection Date: 6/26/2018
Matrix: SOIL

Table with 8 columns: Analyses, Result, PQL, Qual, Units, DF, Date Analyzed, Batch ID. Row 1: EPA METHOD 300.0: ANIONS, Chloride, 9800, 750, mg/Kg, 500, 7/9/2018 9:47:02 PM, 39073. Analyst: MRA

Lab ID: 1806G85-018
Client Sample ID: SP4 5-6

Collection Date: 6/26/2018
Matrix: SOIL

Table with 8 columns: Analyses, Result, PQL, Qual, Units, DF, Date Analyzed, Batch ID. Row 1: EPA METHOD 300.0: ANIONS, Chloride, 19000, 750, mg/Kg, 500, 7/9/2018 9:59:27 PM, 39097. Analyst: MRA

Lab ID: 1806G85-019
Client Sample ID: SP4 6-7

Collection Date: 6/26/2018
Matrix: SOIL

Table with 8 columns: Analyses, Result, PQL, Qual, Units, DF, Date Analyzed, Batch ID. Row 1: EPA METHOD 300.0: ANIONS, Chloride, 11000, 750, mg/Kg, 500, 7/9/2018 10:11:52 PM, 39097. Analyst: MRA

Lab ID: 1806G85-020
Client Sample ID: SP4 7-8

Collection Date: 6/26/2018
Matrix: SOIL

Table with 8 columns: Analyses, Result, PQL, Qual, Units, DF, Date Analyzed, Batch ID. Row 1: EPA METHOD 300.0: ANIONS, Chloride, 13000, 750, mg/Kg, 500, 7/9/2018 10:49:04 PM, 39097. Analyst: MRA

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

Table with 2 columns: Qualifiers and descriptions. Includes codes like *, D, H, ND, PQL, B, E, J, P, RL and their corresponding meanings.

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Burnett Oil Co Inc
Project: GJSAU 22 INJ Line

Lab Order: 1806G85

Lab ID: 1806G85-021

Collection Date: 6/26/2018

Client Sample ID: SP4 8-9

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	14000	750		mg/Kg	500	7/9/2018 11:01:29 PM	39097

Lab ID: 1806G85-022

Collection Date: 6/26/2018

Client Sample ID: SP5 0-1

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	4200	300		mg/Kg	200	7/9/2018 11:13:54 PM	39097
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: Irm
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	6/29/2018 9:43:44 PM	38953
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/29/2018 9:43:44 PM	38953
Surr: DNOP	96.7	70-130		%Rec	1	6/29/2018 9:43:44 PM	38953
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	6/29/2018 9:02:39 PM	38950
Surr: BFB	93.8	15-316		%Rec	1	6/29/2018 9:02:39 PM	38950
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	6/29/2018 9:02:39 PM	38950
Toluene	ND	0.046		mg/Kg	1	6/29/2018 9:02:39 PM	38950
Ethylbenzene	ND	0.046		mg/Kg	1	6/29/2018 9:02:39 PM	38950
Xylenes, Total	ND	0.092		mg/Kg	1	6/29/2018 9:02:39 PM	38950
Surr: 4-Bromofluorobenzene	104	80-120		%Rec	1	6/29/2018 9:02:39 PM	38950

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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order: 1806G85

Date Reported: 7/10/2018

CLIENT: Burnett Oil Co Inc
Project: GJSAU 22 INJ Line

Lab Order: 1806G85

Lab ID: 1806G85-023

Collection Date: 6/26/2018

Client Sample ID: SP6 0-1

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	340	30		mg/Kg	20	7/9/2018 3:34:48 PM	39097
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: irm
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	6/29/2018 10:06:03 PM	38953
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/29/2018 10:06:03 PM	38953
Surr: DNOP	108	70-130		%Rec	1	6/29/2018 10:06:03 PM	38953
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/29/2018 9:26:02 PM	38950
Surr: BFB	90.3	15-316		%Rec	1	6/29/2018 9:26:02 PM	38950
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	6/29/2018 9:26:02 PM	38950
Toluene	ND	0.047		mg/Kg	1	6/29/2018 9:26:02 PM	38950
Ethylbenzene	ND	0.047		mg/Kg	1	6/29/2018 9:26:02 PM	38950
Xylenes, Total	ND	0.094		mg/Kg	1	6/29/2018 9:26:02 PM	38950
Surr: 4-Bromofluorobenzene	101	80-120		%Rec	1	6/29/2018 9:26:02 PM	38950

Lab ID: 1806G85-024

Collection Date: 6/26/2018

Client Sample ID: SP6 1-2

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	420	30		mg/Kg	20	7/9/2018 3:47:12 PM	39097

Lab ID: 1806G85-025

Collection Date: 6/26/2018

Client Sample ID: SP6 2-3

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	1200	30		mg/Kg	20	7/9/2018 3:59:36 PM	39097

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

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Burnett Oil Co Inc
Project: GJSAU 22 INJ Line

Lab Order: 1806G85

Lab ID: 1806G85-026

Collection Date: 6/26/2018

Client Sample ID: SP6 3-4

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
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EPA METHOD 300.0: ANIONS

Analyst: MRA

Chloride	3200	150		mg/Kg	100	7/9/2018 11:26:19 PM	39097
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Lab ID: 1806G85-027

Collection Date: 6/26/2018

Client Sample ID: SP6 4-5

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
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EPA METHOD 300.0: ANIONS

Analyst: MRA

Chloride	8000	300		mg/Kg	200	7/9/2018 11:38:44 PM	39097
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Lab ID: 1806G85-028

Collection Date: 6/26/2018

Client Sample ID: SP6 5-6

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
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EPA METHOD 300.0: ANIONS

Analyst: MRA

Chloride	8100	300		mg/Kg	200	7/9/2018 11:51:08 PM	39097
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Lab ID: 1806G85-029

Collection Date: 6/26/2018

Client Sample ID: SP6 6-7

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
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EPA METHOD 300.0: ANIONS

Analyst: MRA

Chloride	3500	150		mg/Kg	100	7/10/2018 12:03:33 AM	39097
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Lab ID: 1806G85-030

Collection Date: 6/26/2018

Client Sample ID: SP6 7-8

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
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EPA METHOD 300.0: ANIONS

Analyst: MRA

Chloride	1100	30		mg/Kg	20	7/9/2018 5:01:39 PM	39097
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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

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Burnett Oil Co Inc
Project: GJSAU 22 INJ Line

Lab Order: 1806G85

Lab ID: 1806G85-031

Collection Date: 6/26/2018

Client Sample ID: SP6 8-9

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							
Chloride	1100	30		mg/Kg	20	7/9/2018 5:14:03 PM	39097

Analyst: MRA

Lab ID: 1806G85-032

Collection Date: 6/26/2018

Client Sample ID: SP6 9-10

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							
Chloride	500	30		mg/Kg	20	7/9/2018 5:51:17 PM	39097

Analyst: MRA

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

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1806G85

10-Jul-18

Client: Burnett Oil Co Inc
Project: GJSAU 22 INJ Line

Sample ID MB-39059	SampType: MBLK		TestCode: EPA Method 300.0: Anions							
Client ID: PBS	Batch ID: 39059		RunNo: 52494							
Prep Date: 7/5/2018	Analysis Date: 7/5/2018		SeqNo: 1721495	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID LCS-39059	SampType: LCS		TestCode: EPA Method 300.0: Anions							
Client ID: LCSS	Batch ID: 39059		RunNo: 52494							
Prep Date: 7/5/2018	Analysis Date: 7/5/2018		SeqNo: 1721496	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.1	90	110			

Sample ID MB-39073	SampType: mblk		TestCode: EPA Method 300.0: Anions							
Client ID: PBS	Batch ID: 39073		RunNo: 52505							
Prep Date: 7/6/2018	Analysis Date: 7/6/2018		SeqNo: 1723075	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID LCS-39073	SampType: lcs		TestCode: EPA Method 300.0: Anions							
Client ID: LCSS	Batch ID: 39073		RunNo: 52505							
Prep Date: 7/6/2018	Analysis Date: 7/6/2018		SeqNo: 1723076	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.8	90	110			

Sample ID MB-39097	SampType: mblk		TestCode: EPA Method 300.0: Anions							
Client ID: PBS	Batch ID: 39097		RunNo: 52563							
Prep Date: 7/9/2018	Analysis Date: 7/9/2018		SeqNo: 1724219	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID LCS-39097	SampType: lcs		TestCode: EPA Method 300.0: Anions							
Client ID: LCSS	Batch ID: 39097		RunNo: 52563							
Prep Date: 7/9/2018	Analysis Date: 7/9/2018		SeqNo: 1724220	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.8	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 Detection Limit
- W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1806G85

10-Jul-18

Client: Burnett Oil Co Inc
Project: GJSAU 22 INJ Line

Sample ID MB-38953	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 38953		RunNo: 52358							
Prep Date: 6/28/2018	Analysis Date: 6/29/2018		SeqNo: 1716480		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	8.8		10.00		87.9	70	130			

Sample ID LCS-38953	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 38953		RunNo: 52358							
Prep Date: 6/28/2018	Analysis Date: 6/29/2018		SeqNo: 1716481		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	101	70	130			
Surr: DNOP	4.2		5.000		84.6	70	130			

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Value above quantitation range |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Detection Limit |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1806G85

10-Jul-18

Client: Burnett Oil Co Inc
Project: GJSAU 22 INJ Line

Sample ID MB-38950	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 38950		RunNo: 52392							
Prep Date: 6/28/2018	Analysis Date: 6/29/2018		SeqNo: 1717307		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	980		1000		97.8	15	316			

Sample ID LCS-38950	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 38950		RunNo: 52392							
Prep Date: 6/28/2018	Analysis Date: 6/29/2018		SeqNo: 1717308		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	106	75.9	131			
Surr: BFB	1000		1000		104	15	316			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1806G85

10-Jul-18

Client: Burnett Oil Co Inc
Project: GJSAU 22 INJ Line

Sample ID	MB-38950	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	38950	RunNo:	52392					
Prep Date:	6/28/2018	Analysis Date:	6/29/2018	SeqNo:	1717332	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	1.1		1.000		110	80	120			

Sample ID	LCS-38950	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	38950	RunNo:	52392					
Prep Date:	6/28/2018	Analysis Date:	6/29/2018	SeqNo:	1717333	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	95.5	77.3	128			
Toluene	0.98	0.050	1.000	0	97.5	79.2	125			
Ethylbenzene	0.96	0.050	1.000	0	96.3	80.7	127			
Xylenes, Total	3.0	0.10	3.000	0	98.4	81.6	129			
Surr: 4-Bromofluorobenzene	1.0		1.000		104	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 Detection Limit |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

Sample Log-In Check List

Client Name: BURNETT OIL CO INC

Work Order Number: 1806G85

ReptNo: 1

Received By: Erin Melendrez 6/28/2018 8:25:00 AM

EM

Completed By: Isaiah Ortiz 6/28/2018 9:29:01 AM

IO

Reviewed By: *MW 6/28/18*

Labeled By: *506/28/18*

Chain of Custody

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

Log In

3. Was an attempt made to cool the samples? Yes No NA
4. Were all samples received at a temperature of >0° 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: 6.28/18
 (<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:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> 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	3.3	Good	Yes			



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com
 4901 Hawkins NE - Albuquerque, NM 87109
 Tel. 505-345-3975 Fax 505-345-4107

Client: Burnett Oil Co., Inc
 Standard Rush
 Project Name: Day Run

Project #: 62520

Mailing Address: WISAU RR NW. LINE

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)

Project Manager: Johnny Titworth

Sampler: Johnny Titworth

On Ice: Yes No

Sample Temperature: 3.3

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	Chloride	TPH 8015M	BTEX 8021B	Air Bubbles (Y or N)
2/4/18	AM	soil	SP1 0-1'	4 oz.	Ice	1806685	X	X	X	
			SP1 1-2'							
			SP1 2-3'							
			SP1 3-4'							
			SP2 0-1'				X	X		
			SP2 1-2'							
			SP2 2-3'							
			SP2 3-4'							
			SP3 0-1'				X	X		
			SP3 1-2'							
			SP3 2-3'							
			SP3 3-4'							

Received by: [Signature] Date: 6/22/18 Time: 0700

Received by: [Signature] Date: 6/28/18 Time: 0825

Relinquished by: [Signature]

Relinquished by: [Signature]

Date: 2/6/18 Time: 1147

Date: 2/7/18 Time: 1190

Remarks: If total TPH exceeds 5,000 mg/kg - run deeper sample.
 If total BTEX exceeds 50 mg/kg - run deeper sample If total Benzene exceeds 10 mg/kg - run deeper sample



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Client: Burnett Oil Co., Inc

Mailing Address:
P.O. Box 188 Loco Hills, NM 88255
Phone #: 432-425-2891

Email or Fax#: jtitsworth@burnettoil.com

QA/QC Package:
 Standard
 Level 4 (Full Validation)
 Accreditation:
 NELAP
 EDD (Type)

Project Name: **7 day turn**
 Standard Rush
GJSAU RR INT. LINE

Project #: _____

Project Manager: Johnny Titsworth

Sampler: Johnny Titsworth
 On Ice: Yes No
 Sample Temperature: **3.3**

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	Chloride	TPH 8015M	BTEX 8021B	Air Bubbles (Y or N)
2/6/18	AM	soil	SP4 0-1'	4 oz.	Ice	18066485-013	X	X	X	
			SP4 1-2'			-014				
			SP4 2-3'			-015				
			SP4 3-4'			-016				
			SP4 4-5'			-017				
			SP4 5-6'			-018				
			SP4 6-7'			-019				
			SP4 7-8'			-020				
			SP4 8-9'			-021				
			SP5 0-1'			-022	X	X	X	
						0-10 6/27/18				

Relinquished by: *Johnny Titsworth*

Date: 12/6/18 1149

Relinquished by: *[Signature]*

Date: 12/18/18 1900

Received by: *[Signature]*

Date: 6/27/18 0700

Received by: *[Signature]*

Courier: *ENM 6/28/18 0825*

Remarks: if total TPH exceeds 5,000 mg/kg - run deeper sample.
 if total BTEX exceeds 50 mg/kg - run deeper sample if total Benzene exceeds 10 mg/kg - run deeper sample

Standard Rush
Project Name: *GSSAU 22 INT. LINE*

Project #: _____

Project Manager: _____

Sampler: Yes No
Or Ice: Yes No

Sample Temperature: *3.3*

Container Type and #	Preservative Type	HEAL No.
4 oz.	Ice	-023
		-024
		-025
		-026
		-027
		-028
		-029
		-030
		-031
		-032

Client: Burnet Oil Co., Inc

Mailing Address:
P.O. Box 188 Loco Hills, NIM 88255
Phone #: 432-425-2891

email or Fax#: jtitsworth@burnettoil.com

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

Accreditation: NELAP Other EDD (Type)

Date	Time	Matrix	Sample Request ID
2/4/18	AM	soil	SP6 02-1'
			SP6 1-2'
			SP6 2-3'
			SP6 3-4'
			SP6 4-5'
			SP6 5-6'
			SP6 6-7'
			SP6 7-8'
			SP6 8-9'
			SP6 9-10'

Received by: *[Signature]* Date: *6/27/18* Time: *0700*
Received by: *[Signature]* Date: *6/27/18* Time: *0825*

Analysis Request

Analysis	Request	Y or N
Chloride	X	X
TPH 8015M	X	X
BTEX 8021B	X	X

Remarks: If total TPH exceeds 5,000 mg/kg - run deeper sample.
If total BTEX exceeds 50 mg/kg - run deeper sample if total Benzene exceeds 10 mg/kg - run deeper sample

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