

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1907671**

Date Reported:

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-1 1FT

Project: Maverick Humble Yates

Collection Date: 7/12/2019 10:30:00 AM

Lab ID: 1907671-001

Matrix: SOIL

Received Date: 7/13/2019 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	11000	100	E	mg/Kg	10	7/18/2019 7:10:52 PM
Motor Oil Range Organics (MRO)	4100	500		mg/Kg	10	7/18/2019 7:10:52 PM
Surr: DNOP	0	70-130	S	%Rec	10	7/18/2019 7:10:52 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	100	25		mg/Kg	5	7/16/2019 8:18:10 PM
Surr: BFB	326	73.8-119	S	%Rec	5	7/16/2019 8:18:10 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.12		mg/Kg	5	7/16/2019 8:18:10 PM
Toluene	ND	0.25		mg/Kg	5	7/16/2019 8:18:10 PM
Ethylbenzene	1.8	0.25		mg/Kg	5	7/16/2019 8:18:10 PM
Xylenes, Total	3.4	0.49		mg/Kg	5	7/16/2019 8:18:10 PM
Surr: 4-Bromofluorobenzene	118	80-120		%Rec	5	7/16/2019 8:18:10 PM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	6500	300		mg/Kg	100	7/19/2019 5:52:20 PM

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 **1907671**

Date Reported:

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-2 1FT

Project: Maverick Humble Yates

Collection Date: 7/12/2019 10:35:00 AM

Lab ID: 1907671-002

Matrix: SOIL

Received Date: 7/13/2019 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	11000	94	E	mg/Kg	10	7/18/2019 7:35:53 PM
Motor Oil Range Organics (MRO)	4200	470		mg/Kg	10	7/18/2019 7:35:53 PM
Surr: DNOP	0	70-130	S	%Rec	10	7/18/2019 7:35:53 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	750	24		mg/Kg	5	7/16/2019 9:03:32 PM
Surr: BFB	979	73.8-119	S	%Rec	5	7/16/2019 9:03:32 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	0.45	0.12		mg/Kg	5	7/16/2019 9:03:32 PM
Toluene	13	0.24		mg/Kg	5	7/16/2019 9:03:32 PM
Ethylbenzene	29	2.4		mg/Kg	50	7/17/2019 12:41:36 PM
Xylenes, Total	47	0.49		mg/Kg	5	7/16/2019 9:03:32 PM
Surr: 4-Bromofluorobenzene	213	80-120	S	%Rec	5	7/16/2019 9:03:32 PM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	5200	300		mg/Kg	100	7/19/2019 6:04:44 PM

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 **1907671**

Date Reported:

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-3 1FT

Project: Maverick Humble Yates

Collection Date: 7/12/2019 10:50:00 AM

Lab ID: 1907671-003

Matrix: SOIL

Received Date: 7/13/2019 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	73	9.8		mg/Kg	1	7/18/2019 8:50:27 PM
Motor Oil Range Organics (MRO)	97	49		mg/Kg	1	7/18/2019 8:50:27 PM
Surr: DNOP	114	70-130		%Rec	1	7/18/2019 8:50:27 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/16/2019 10:11:48 PM
Surr: BFB	107	73.8-119		%Rec	1	7/16/2019 10:11:48 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/16/2019 10:11:48 PM
Toluene	ND	0.049		mg/Kg	1	7/16/2019 10:11:48 PM
Ethylbenzene	ND	0.049		mg/Kg	1	7/16/2019 10:11:48 PM
Xylenes, Total	ND	0.097		mg/Kg	1	7/16/2019 10:11:48 PM
Surr: 4-Bromofluorobenzene	91.5	80-120		%Rec	1	7/16/2019 10:11:48 PM
EPA METHOD 300.0: ANIONS						Analyst: smb
Chloride	150	60		mg/Kg	20	7/18/2019 1:40:12 PM

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 **1907671**

Date Reported:

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-4 1FT

Project: Maverick Humble Yates

Collection Date: 7/12/2019 11:00:00 AM

Lab ID: 1907671-004

Matrix: SOIL

Received Date: 7/13/2019 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	9300	970		mg/Kg	100	7/18/2019 8:25:35 PM
Motor Oil Range Organics (MRO)	5600	4800		mg/Kg	100	7/18/2019 8:25:35 PM
Surr: DNOP	0	70-130	S	%Rec	100	7/18/2019 8:25:35 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	920	25		mg/Kg	5	7/16/2019 10:34:28 PM
Surr: BFB	1080	73.8-119	S	%Rec	5	7/16/2019 10:34:28 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	0.23	0.12		mg/Kg	5	7/16/2019 10:34:28 PM
Toluene	14	0.25		mg/Kg	5	7/16/2019 10:34:28 PM
Ethylbenzene	21	0.25		mg/Kg	5	7/16/2019 10:34:28 PM
Xylenes, Total	51	0.50		mg/Kg	5	7/16/2019 10:34:28 PM
Surr: 4-Bromofluorobenzene	198	80-120	S	%Rec	5	7/16/2019 10:34:28 PM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	2700	150		mg/Kg	50	7/19/2019 6:17:09 PM

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