



Sample ID	Analytical ID	Sample Date	Sample Type	Depth	BTEX	GRO	DRO
	1606D54	6/16/2016	Hand auger	6"	ND	ND	77
	1606D54	6/16/2016	Hand auger	1'	ND	ND	13

Site Ranking is Ten (10). 50-99' (80', Section 13, T17S-R28E, Trend Map)

All results are ppm.

Released: 7 B/O; Recovered: 3 B/O Release Date: 6/13/2016

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1606D54

Date Reported:

CLIENT: Yates Petroleum Corporation

Client Sample ID: S1-6"

Project: Gopher BRG State 2

Collection Date: 6/16/2016 2:06:00 PM

Lab ID: 1606D54-001

Matrix: SOIL

Received Date: 6/24/2016 9:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	77	9.9		mg/Kg	1	6/27/2016 1:13:06 PM	26058
Surr: DNOP	76.8	70-130		%Rec	1	6/27/2016 1:13:06 PM	26058
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/25/2016 9:13:53 PM	26055
Surr: BFB	98.5	80-120		%Rec	1	6/25/2016 9:13:53 PM	26055
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	6/25/2016 9:13:53 PM	26055
Toluene	ND	0.048		mg/Kg	1	6/25/2016 9:13:53 PM	26055
Ethylbenzene	ND	0.048		mg/Kg	1	6/25/2016 9:13:53 PM	26055
Xylenes, Total	ND	0.095		mg/Kg	1	6/25/2016 9:13:53 PM	26055
Surr: 4-Bromofluorobenzene	94.6	80-120		%Rec	1	6/25/2016 9:13:53 PM	26055

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
	R RPD outside accepted recovery limits	RL Reporting Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1606D54

Date Reported:

CLIENT: Yates Petroleum Corporation

Client Sample ID: S1-1'

Project: Gopher BRG State 2

Collection Date: 6/16/2016 2:20:00 PM

Lab ID: 1606D54-002

Matrix: SOIL

Received Date: 6/24/2016 9:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	13	10		mg/Kg	1	6/27/2016 1:34:53 PM	26058
Surr: DNOP	82.7	70-130		%Rec	1	6/27/2016 1:34:53 PM	26058
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/25/2016 10:24:05 PM	26055
Surr: BFB	96.6	80-120		%Rec	1	6/25/2016 10:24:05 PM	26055
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.023		mg/Kg	1	6/25/2016 10:24:05 PM	26055
Toluene	ND	0.047		mg/Kg	1	6/25/2016 10:24:05 PM	26055
Ethylbenzene	ND	0.047		mg/Kg	1	6/25/2016 10:24:05 PM	26055
Xylenes, Total	ND	0.094		mg/Kg	1	6/25/2016 10:24:05 PM	26055
Surr: 4-Bromofluorobenzene	92.2	80-120		%Rec	1	6/25/2016 10:24:05 PM	26055

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 2 of 0
	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	
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified	