

MARTIN YATES, III
1912-1985

FRANK W. YATES
1936-1986

S.P. YATES
1914-2000



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August 11, 2015

Mr. Mike Bratcher
NMOCD District II
811 South First Street
Artesia, NM 88210

Re: Aparejo APA Battery
30-015-28327
Section 16, T19S-R25E
Eddy County, New Mexico

Dear Mr. Bratcher:

Yates Petroleum Corporation would like to submit the following plan of work to you regarding the releases that occurred at the above mentioned facility on May 20, 2015 (2RP-3035) and July 23, 2015 (2RP-3184). The May 20, 2015 release was 33 barrels of oil released, with 27 barrels of oil recovered. The July 23, 2015 release was 60 barrels of oil released, with 50 barrels of oil recovered.

Yates sampled the release area on 7/15/15 to determine the vertical extent of TPH and BTEX contamination from the first release. Yates received these initial analytical results from the laboratory on 7/23/2015 (the same day the second release occurred). The initial analytical results show the following areas of concern:

- TPH levels above RRAL's on the surface and at 1' below the surface level in Sections 2 and 3 of the release area. TPH levels clean-up and are under the RRAL's at 2' below the surface level in both of these sections.
- BTEX levels above RRAL's at 1' below the surface level in Section 2. BTEX levels clean-up and are under the RRAL's at 2' below the surface level in this section.

Yates proposes to excavate 1.5' from Sections 2 and 3 of the release area and haul the contaminated soils to a NMOCD approved facility. The second release potentially created further contamination in the Sections Yates had already sampled as 2 and 3. Therefore, once excavation has been completed, further TPH and BTEX samples will be pulled from Sections 2 and 3 to confirm that the second release did not cause additional TPH or BTEX contamination. If the samples pulled after excavation show further contamination, it will be excavated and hauled to a NMOCD approved facility before closure is requested. If the samples pulled after

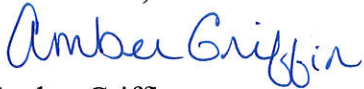
excavation show no further contamination, a Final C-141 will be submitted to NMOCD and closure of these spills will be requested.

Analytical results showed that TPH and BTEX were below RRAL's in both Sections 1 and 4 of the release area, and no work will be completed in these two sections.

Attached you will find the initial analytical results and a site diagram.

If you have any questions or concerns, I can be reached at (575) 748-4111 or by email at agriffin@yatespetroleum.com.

Thank You,

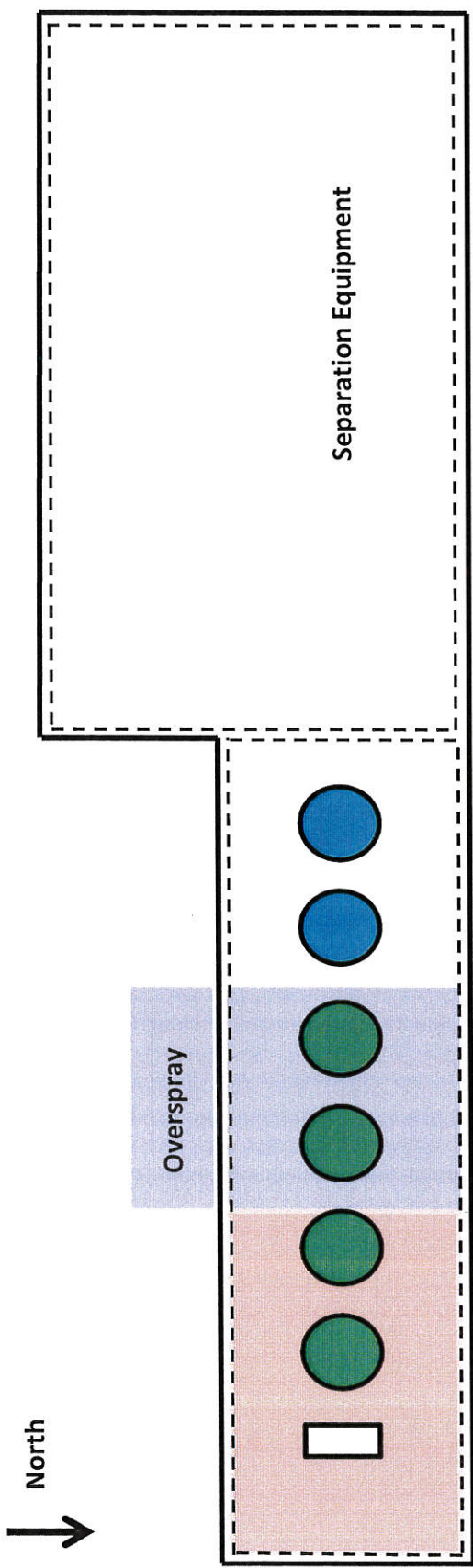
A handwritten signature in blue ink that reads "Amber Griffin". The signature is written in a cursive, flowing style.

Amber Griffin
Environmental Regulatory Agent
Yates Petroleum Corporation

Yates Petroleum Corporation
Amber Griffin

Aparejo APA Battery
16-19S-25E, Eddy County

2RP-3035; 5/20/2015
2RP-3184; 7/23/2015



LEGEND:

- Fence
- - - - - Berm
- VRU
- Oil Tanks
- Water Tanks
- Release Area: Sections 2 and 3 to be excavated and resampled
- Release Area: Sections 1 and 4 no work to be completed

DRAWING NOT TO SCALE

Aparejo APA Battery

Hall Environmental

	Sample Area	Sample Date	Analytical Report	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
APA 1 - Surface	Release Area	7/15/2015	1507796	Grab/Auger	Surface	ND	ND	ND	ND	-
APA 1 - 1'	Release Area	7/15/2015	1507796	Grab/Auger	1'	ND	ND	ND	ND	-
APA 1 - 2'	Release Area	7/15/2015	1507796	Grab/Auger	2'	ND	ND	ND	ND	-
APA 2 - Surface	Release Area	7/15/2015	1507796	Grab/Auger	Surface	ND	ND	5,300	5,300	-
APA 2 - 1'	Release Area	7/15/2015	1507796	Grab/Auger	1'	32.81	310	2,000	2,310	-
APA 2 - 2'	Release Area	7/15/2015	1507796	Grab/Auger	2'	1.85	26	67	93	-
APA 3 - Surface	Release Area	7/15/2015	1507796	Grab/Auger	Surface	0.53	60	5,700	5,760	-
APA 3 - 1'	Release Area	7/15/2015	1507796	Grab/Auger	1'	ND	13	1,400	1,413	-
APA 3 - 2'	Release Area	7/15/2015	1507796	Grab/Auger	2'	ND	ND	220	220	-
APA 4 - Surface	Release Area	7/15/2015	1507796	Grab/Auger	Surface	ND	ND	980	980	-
APA 4 - 1'	Release Area	7/15/2015	1507796	Grab/Auger	1'	ND	ND	9.8	9.8	-
APA 4 - 2'	Release Area	7/15/2015	1507796	Grab/Auger	2'	ND	ND	58	58	-

Site Ranking is Ten (10). Depth to Ground Water 50-99' (approx. 75', per ChevronTexaco Trend Map).

All results are ppm.

Released: 33 B/O; Recovered: 27 B/O. Release Date: 5/20/2015. 2RP-3035

Released: 60 B/O; Recovered: 50 B/O. Release Date: 7/23/2015. 2RP-3184



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

July 23, 2015

Amber Griffin
Yates Petroleum
105 South Fourth Street
Artesia, NM 88210
TEL: (575) 748-4111
FAX

RE: Aparejo APA Battery/2RP-3035

OrderNo.: 1507796

Dear Amber Griffin:

Hall Environmental Analysis Laboratory received 12 sample(s) on 7/17/2015 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 #NM0190

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 1507796

Date Reported: 7/23/2015

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Yates Petroleum**Client Sample ID:** Apa 1 - Surface**Project:** Aparejo APA Battery/2RP-3035**Collection Date:** 7/15/2015 8:00:00 AM**Lab ID:** 1507796-001**Matrix:** SOIL**Received Date:** 7/17/2015 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	7/21/2015 4:21:17 PM	20309
Surr: DNOP	58.9	57.9-140		%REC	1	7/21/2015 4:21:17 PM	20309
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/21/2015 2:10:23 AM	20308
Surr: BFB	92.4	75.4-113		%REC	1	7/21/2015 2:10:23 AM	20308
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.050		mg/Kg	1	7/21/2015 2:10:23 AM	20308
Toluene	ND	0.050		mg/Kg	1	7/21/2015 2:10:23 AM	20308
Ethylbenzene	ND	0.050		mg/Kg	1	7/21/2015 2:10:23 AM	20308
Xylenes, Total	ND	0.10		mg/Kg	1	7/21/2015 2:10:23 AM	20308
Surr: 4-Bromofluorobenzene	97.8	80-120		%REC	1	7/21/2015 2:10:23 AM	20308

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
	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
	O	RSD is greater than RSDlimit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum

Client Sample ID: Apa 1 - 1'

Project: Aparejo APA Battery/2RP-3035

Collection Date: 7/15/2015 8:30:00 AM

Lab ID: 1507796-002

Matrix: SOIL

Received Date: 7/17/2015 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	7/21/2015 4:42:46 PM	20309
Surr: DNOP	90.8	57.9-140		%REC	1	7/21/2015 4:42:46 PM	20309
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	7/21/2015 2:39:02 AM	20308
Surr: BFB	92.4	75.4-113		%REC	1	7/21/2015 2:39:02 AM	20308
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.047		mg/Kg	1	7/21/2015 2:39:02 AM	20308
Toluene	ND	0.047		mg/Kg	1	7/21/2015 2:39:02 AM	20308
Ethylbenzene	ND	0.047		mg/Kg	1	7/21/2015 2:39:02 AM	20308
Xylenes, Total	ND	0.094		mg/Kg	1	7/21/2015 2:39:02 AM	20308
Surr: 4-Bromofluorobenzene	97.6	80-120		%REC	1	7/21/2015 2:39:02 AM	20308

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
	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
	O	RSD is greater than RSDlimit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum

Client Sample ID: Apa 1 - 2'

Project: Aparejo APA Battery/2RP-3035

Collection Date: 7/15/2015 8:40:00 AM

Lab ID: 1507796-003

Matrix: SOIL

Received Date: 7/17/2015 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	7/21/2015 5:04:08 PM	20309
Surr: DNOP	102	57.9-140		%REC	1	7/21/2015 5:04:08 PM	20309
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	7/21/2015 3:36:17 AM	20308
Surr: BFB	90.7	75.4-113		%REC	1	7/21/2015 3:36:17 AM	20308
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.047		mg/Kg	1	7/21/2015 3:36:17 AM	20308
Toluene	ND	0.047		mg/Kg	1	7/21/2015 3:36:17 AM	20308
Ethylbenzene	ND	0.047		mg/Kg	1	7/21/2015 3:36:17 AM	20308
Xylenes, Total	ND	0.094		mg/Kg	1	7/21/2015 3:36:17 AM	20308
Surr: 4-Bromofluorobenzene	94.3	80-120		%REC	1	7/21/2015 3:36:17 AM	20308

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
	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
	O RSD is greater than RSDlimit	P Sample pH Not In Range
	R RPD outside accepted recovery limits	RL Reporting Detection Limit
	S Spike Recovery outside accepted recovery limits	

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum **Client Sample ID:** Apa 2 - Surface
Project: Aparejo APA Battery/2RP-3035 **Collection Date:** 7/15/2015 8:05:00 AM
Lab ID: 1507796-004 **Matrix:** SOIL **Received Date:** 7/17/2015 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	5300	99		mg/Kg	10	7/21/2015 1:08:52 PM	20309
Surr: DNOP	0	57.9-140	S	%REC	10	7/21/2015 1:08:52 PM	20309
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	7/21/2015 10:25:45 AM	20308
Surr: BFB	95.3	75.4-113		%REC	5	7/21/2015 10:25:45 AM	20308
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.12		mg/Kg	5	7/21/2015 10:25:45 AM	20308
Toluene	ND	0.25		mg/Kg	5	7/21/2015 10:25:45 AM	20308
Ethylbenzene	ND	0.25		mg/Kg	5	7/21/2015 10:25:45 AM	20308
Xylenes, Total	ND	0.50		mg/Kg	5	7/21/2015 10:25:45 AM	20308
Surr: 4-Bromofluorobenzene	98.5	80-120		%REC	5	7/21/2015 10:25:45 AM	20308

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
	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
	O RSD is greater than RSDlimit	P Sample pH Not In Range
	R RPD outside accepted recovery limits	RL Reporting Detection Limit
	S Spike Recovery outside accepted recovery limits	

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum

Client Sample ID: Apa 2 - 1'

Project: Aparejo APA Battery/2RP-3035

Collection Date: 7/15/2015 8:50:00 AM

Lab ID: 1507796-005

Matrix: SOIL

Received Date: 7/17/2015 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	2000	100		mg/Kg	10	7/21/2015 2:12:52 PM	20309
Surr: DNOP	0	57.9-140	S	%REC	10	7/21/2015 2:12:52 PM	20309
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	310	4.8		mg/Kg	1	7/21/2015 10:54:29 AM	20308
Surr: BFB	1290	75.4-113	S	%REC	1	7/21/2015 10:54:29 AM	20308
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	0.31	0.048		mg/Kg	1	7/21/2015 10:54:29 AM	20308
Toluene	7.8	0.48		mg/Kg	10	7/22/2015 9:41:25 PM	20308
Ethylbenzene	8.7	0.48		mg/Kg	10	7/22/2015 9:41:25 PM	20308
Xylenes, Total	16	0.95		mg/Kg	10	7/22/2015 9:41:25 PM	20308
Surr: 4-Bromofluorobenzene	294	80-120	S	%REC	1	7/21/2015 10:54:29 AM	20308

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
	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
	O	RSD is greater than RSDlimit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum **Client Sample ID:** Apa 2 - 2'
Project: Aparejo APA Battery/2RP-3035 **Collection Date:** 7/15/2015 9:00:00 AM
Lab ID: 1507796-006 **Matrix:** SOIL **Received Date:** 7/17/2015 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	67	10		mg/Kg	1	7/21/2015 5:25:30 PM	20309
Surr: DNOP	88.9	57.9-140		%REC	1	7/21/2015 5:25:30 PM	20309
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	26	9.9		mg/Kg	2	7/21/2015 12:20:51 PM	20308
Surr: BFB	150	75.4-113	S	%REC	2	7/21/2015 12:20:51 PM	20308
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.099		mg/Kg	2	7/21/2015 12:20:51 PM	20308
Toluene	0.39	0.099		mg/Kg	2	7/21/2015 12:20:51 PM	20308
Ethylbenzene	0.60	0.099		mg/Kg	2	7/21/2015 12:20:51 PM	20308
Xylenes, Total	0.86	0.20		mg/Kg	2	7/21/2015 12:20:51 PM	20308
Surr: 4-Bromofluorobenzene	112	80-120		%REC	2	7/21/2015 12:20:51 PM	20308

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
	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
	O	RSD is greater than RSDlimit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum Client Sample ID: Apa 3 - Surface
 Project: Aparejo APA Battery/2RP-3035 Collection Date: 7/15/2015 8:10:00 AM
 Lab ID: 1507796-007 Matrix: SOIL Received Date: 7/17/2015 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	5700	99		mg/Kg	10	7/21/2015 2:55:45 PM	20309
Surr: DNOP	0	57.9-140	S	%REC	10	7/21/2015 2:55:45 PM	20309
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	60	9.9		mg/Kg	2	7/21/2015 12:49:37 PM	20308
Surr: BFB	280	75.4-113	S	%REC	2	7/21/2015 12:49:37 PM	20308
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.099		mg/Kg	2	7/21/2015 12:49:37 PM	20308
Toluene	ND	0.099		mg/Kg	2	7/21/2015 12:49:37 PM	20308
Ethylbenzene	ND	0.099		mg/Kg	2	7/21/2015 12:49:37 PM	20308
Xylenes, Total	0.53	0.20		mg/Kg	2	7/21/2015 12:49:37 PM	20308
Surr: 4-Bromofluorobenzene	123	80-120	S	%REC	2	7/21/2015 12:49:37 PM	20308

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
	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
	O	RSD is greater than RSDlimit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum

Client Sample ID: Apa 3 - 1'

Project: Aparejo APA Battery/2RP-3035

Collection Date: 7/15/2015 9:20:00 AM

Lab ID: 1507796-008

Matrix: SOIL

Received Date: 7/17/2015 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	1400	100		mg/Kg	10	7/21/2015 3:38:23 PM	20309
Surr: DNOP	0	57.9-140	S	%REC	10	7/21/2015 3:38:23 PM	20309
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	13	4.7		mg/Kg	1	7/21/2015 1:18:25 PM	20308
Surr: BFB	178	75.4-113	S	%REC	1	7/21/2015 1:18:25 PM	20308
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.047		mg/Kg	1	7/21/2015 1:18:25 PM	20308
Toluene	ND	0.047		mg/Kg	1	7/21/2015 1:18:25 PM	20308
Ethylbenzene	ND	0.047		mg/Kg	1	7/21/2015 1:18:25 PM	20308
Xylenes, Total	ND	0.094		mg/Kg	1	7/21/2015 1:18:25 PM	20308
Surr: 4-Bromofluorobenzene	111	80-120		%REC	1	7/21/2015 1:18:25 PM	20308

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
	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
	O	RSD is greater than RSDlimit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical Report

Lab Order 1507796

Date Reported: 7/23/2015

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum

Client Sample ID: Apa 3 - 2'

Project: Aparejo APA Battery/2RP-3035

Collection Date: 7/15/2015 9:30:00 AM

Lab ID: 1507796-009

Matrix: SOIL

Received Date: 7/17/2015 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	220	9.9		mg/Kg	1	7/21/2015 1:39:04 PM	20310
Surr: DNOP	112	57.9-140		%REC	1	7/21/2015 1:39:04 PM	20310
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/21/2015 1:47:11 PM	20308
Surr: BFB	94.1	75.4-113		%REC	1	7/21/2015 1:47:11 PM	20308
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.049		mg/Kg	1	7/21/2015 1:47:11 PM	20308
Toluene	ND	0.049		mg/Kg	1	7/21/2015 1:47:11 PM	20308
Ethylbenzene	ND	0.049		mg/Kg	1	7/21/2015 1:47:11 PM	20308
Xylenes, Total	ND	0.099		mg/Kg	1	7/21/2015 1:47:11 PM	20308
Surr: 4-Bromofluorobenzene	98.6	80-120		%REC	1	7/21/2015 1:47:11 PM	20308

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
	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
	O RSD is greater than RSDlimit	P Sample pH Not In Range
	R RPD outside accepted recovery limits	RL Reporting Detection Limit
	S Spike Recovery outside accepted recovery limits	

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum

Client Sample ID: Apa 4 - Surface

Project: Aparejo APA Battery/2RP-3035

Collection Date: 7/15/2015 8:15:00 AM

Lab ID: 1507796-010

Matrix: SOIL

Received Date: 7/17/2015 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	980	100		mg/Kg	10	7/21/2015 3:00:36 PM	20310
Surr: DNOP	0	57.9-140	S	%REC	10	7/21/2015 3:00:36 PM	20310
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/21/2015 2:15:57 PM	20308
Surr: BFB	101	75.4-113		%REC	1	7/21/2015 2:15:57 PM	20308
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.048		mg/Kg	1	7/21/2015 2:15:57 PM	20308
Toluene	ND	0.048		mg/Kg	1	7/21/2015 2:15:57 PM	20308
Ethylbenzene	ND	0.048		mg/Kg	1	7/21/2015 2:15:57 PM	20308
Xylenes, Total	ND	0.095		mg/Kg	1	7/21/2015 2:15:57 PM	20308
Surr: 4-Bromofluorobenzene	101	80-120		%REC	1	7/21/2015 2:15:57 PM	20308

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
	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
	O	RSD is greater than RSDlimit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum

Client Sample ID: Apa 4 - 1'

Project: Aparejo APA Battery/2RP-3035

Collection Date: 7/15/2015 9:40:00 AM

Lab ID: 1507796-011

Matrix: SOIL

Received Date: 7/17/2015 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	9.8	9.8		mg/Kg	1	7/21/2015 3:27:35 PM	20310
Surr: DNOP	112	57.9-140		%REC	1	7/21/2015 3:27:35 PM	20310
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/21/2015 2:44:39 PM	20308
Surr: BFB	92.1	75.4-113		%REC	1	7/21/2015 2:44:39 PM	20308
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.049		mg/Kg	1	7/21/2015 2:44:39 PM	20308
Toluene	ND	0.049		mg/Kg	1	7/21/2015 2:44:39 PM	20308
Ethylbenzene	ND	0.049		mg/Kg	1	7/21/2015 2:44:39 PM	20308
Xylenes, Total	ND	0.098		mg/Kg	1	7/21/2015 2:44:39 PM	20308
Surr: 4-Bromofluorobenzene	96.0	80-120		%REC	1	7/21/2015 2:44:39 PM	20308

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
	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
	O	RSD is greater than RSDlimit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum **Client Sample ID:** Apa 4 - 2'
Project: Aparejo APA Battery/2RP-3035 **Collection Date:** 7/15/2015 9:50:00 AM
Lab ID: 1507796-012 **Matrix:** SOIL **Received Date:** 7/17/2015 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	58	9.9		mg/Kg	1	7/21/2015 3:54:24 PM	20310
Surr: DNOP	112	57.9-140		%REC	1	7/21/2015 3:54:24 PM	20310
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/21/2015 3:13:18 PM	20308
Surr: BFB	92.6	75.4-113		%REC	1	7/21/2015 3:13:18 PM	20308
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.049		mg/Kg	1	7/21/2015 3:13:18 PM	20308
Toluene	ND	0.049		mg/Kg	1	7/21/2015 3:13:18 PM	20308
Ethylbenzene	ND	0.049		mg/Kg	1	7/21/2015 3:13:18 PM	20308
Xylenes, Total	ND	0.097		mg/Kg	1	7/21/2015 3:13:18 PM	20308
Surr: 4-Bromofluorobenzene	98.1	80-120		%REC	1	7/21/2015 3:13:18 PM	20308

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
	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
	O RSD is greater than RSDlimit	P Sample pH Not In Range
	R RPD outside accepted recovery limits	RL Reporting Detection Limit
	S Spike Recovery outside accepted recovery limits	

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1507796

23-Jul-15

Client: Yates Petroleum
Project: Aparejo APA Battery/2RP-3035

Sample ID	MB-20339	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	20339	RunNo:	27629					
Prep Date:	7/21/2015	Analysis Date:	7/21/2015	SeqNo:	829994	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		104	57.9	140			

Sample ID	LCS-20339	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	20339	RunNo:	27629					
Prep Date:	7/21/2015	Analysis Date:	7/21/2015	SeqNo:	830004	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.2		5.000		104	57.9	140			

Sample ID	MB-20309	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	20309	RunNo:	27634					
Prep Date:	7/17/2015	Analysis Date:	7/21/2015	SeqNo:	830062	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	10		10.00		103	57.9	140			

Sample ID	LCS-20309	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	20309	RunNo:	27634					
Prep Date:	7/17/2015	Analysis Date:	7/21/2015	SeqNo:	830063	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	10	50.00	0	102	57.4	139			
Surr: DNOP	5.0		5.000		100	57.9	140			

Sample ID	MB-20310	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	20310	RunNo:	27629					
Prep Date:	7/17/2015	Analysis Date:	7/21/2015	SeqNo:	830112	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	11		10.00		107	57.9	140			

Sample ID	LCS-20310	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	20310	RunNo:	27629					
Prep Date:	7/17/2015	Analysis Date:	7/21/2015	SeqNo:	830113	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	99.0	57.4	139			
Surr: DNOP	5.4		5.000		107	57.9	140			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1507796

23-Jul-15

Client: Yates Petroleum
Project: Aparejo APA Battery/2RP-3035

Sample ID	MB-20308	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	20308	RunNo:	27604					
Prep Date:	7/17/2015	Analysis Date:	7/20/2015	SeqNo:	829387	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		90.4	75.4	113			

Sample ID	LCS-20308	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	20308	RunNo:	27604					
Prep Date:	7/17/2015	Analysis Date:	7/20/2015	SeqNo:	829388	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	97.5	79.6	122			
Surr: BFB	990		1000		98.5	75.4	113			

Sample ID	MB-20329	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	20329	RunNo:	27640					
Prep Date:	7/20/2015	Analysis Date:	7/21/2015	SeqNo:	830303	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	920		1000		92.2	75.4	113			

Sample ID	LCS-20329	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	20329	RunNo:	27640					
Prep Date:	7/20/2015	Analysis Date:	7/21/2015	SeqNo:	830304	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	960		1000		96.4	75.4	113			

Qualifiers:

- | | |
|---|--|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| 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 |
| O RSD is greater than RSDlimit | P Sample pH Not In Range |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S Spike Recovery outside accepted recovery limits | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1507796

23-Jul-15

Client: Yates Petroleum
Project: Aparejo APA Battery/2RP-3035

Sample ID	MB-20308	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	20308	RunNo:	27604					
Prep Date:	7/17/2015	Analysis Date:	7/20/2015	SeqNo:	829414	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.97		1.000		96.8	80	120			

Sample ID	LCS-20308	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	20308	RunNo:	27604					
Prep Date:	7/17/2015	Analysis Date:	7/20/2015	SeqNo:	829419	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.050	1.000	0	102	76.6	128			
Toluene	0.97	0.050	1.000	0	96.7	75	124			
Ethylbenzene	0.99	0.050	1.000	0	99.3	79.5	126			
Xylenes, Total	2.9	0.10	3.000	0	98.3	78.8	124			
Surr: 4-Bromofluorobenzene	1.0		1.000		104	80	120			

Sample ID	MB-20329	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	20329	RunNo:	27640					
Prep Date:	7/20/2015	Analysis Date:	7/21/2015	SeqNo:	830338	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000		100	80	120			

Sample ID	LCS-20329	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	20329	RunNo:	27640					
Prep Date:	7/20/2015	Analysis Date:	7/21/2015	SeqNo:	830339	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.1		1.000		106	80	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

Sample Log-In Check List

Client Name: Yates Petroleum Corpora

Work Order Number: 1507796

RcptNo: 1

Received by/date: CS 07/17/15
 Logged By: Celina Sessa 7/17/2015 10:00:00 AM Celina Sessa
 Completed By: Celina Sessa 7/17/2015 11:53:43 AM Celina Sessa
 Reviewed By: IO 07/17/15

Chain of Custody

- 1. Custody seals intact on sample bottles? Yes No Not Present
- 2. Is Chain of Custody complete? Yes No Not Present
- 3. How was the sample delivered? Courier

Log In

- 4. Was an attempt made to cool the samples? Yes No NA
- 5. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
- 6. Sample(s) in proper container(s)? Yes No
- 7. Sufficient sample volume for indicated test(s)? Yes No
- 8. Are samples (except VOA and ONG) properly preserved? Yes No
- 9. Was preservative added to bottles? Yes No NA
- 10. VOA vials have zero headspace? Yes No No VOA Vials
- 11. Were any sample containers received broken? Yes No
- 12. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes No
- 13. Are matrices correctly identified on Chain of Custody? Yes No
- 14. Is it clear what analyses were requested? Yes No
- 15. Were all holding times able to be met? (If no, notify customer for authorization.) Yes No

of preserved bottles checked for pH: _____
 (<2 or >12 unless noted)
 Adjusted? _____
 Checked by: _____

Special Handling (if applicable)

- 16. 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: _____

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			

Chain-of-Custody Record

Client: Yates Petroleum Corporation

Turn-Around Time:

Standard Rush

Project Name:

Mailing Address:

Aparejo APA Battery

105 South 4th Street Artesia, NM 88210

Project #:

2RP-3035

Phone #: 575-513-8799 or 575-748-4111

email or Fax#: acannon@yatespetroleum.com

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

Accreditation: NELAP Other

EDD (Type)

Project Manager:

Amber Griffin

PO # 205-2020

Sampler:

On Ice: Yes No

Amber Griffin

Sample Temperature: 1.00C

Date Time Matrix Sample Request ID

Container Type and #

Preservative Type

HEAL No. 1507796

7/15/2015 8:00 Soil Apa 1 - Surface 1 - 4oz. Ice -001

7/15/2015 8:30 Soil Apa 1 - 1' 1 - 4oz. Ice -002

7/15/2015 8:40 Soil Apa 1 - 2' 1 - 4oz. Ice -003

7/15/2015 8:05 Soil Apa 2 - Surface 1 - 4oz. Ice -004

7/15/2015 8:50 Soil Apa 2 - 1' 1 - 4oz. Ice -005

7/15/2015 9:00 Soil Apa 2 - 2' 1 - 4oz. Ice -006

7/15/2015 8:10 Soil Apa 3 - Surface 1 - 4oz. Ice -007

7/15/2015 9:20 Soil Apa 3 - 1' 1 - 4oz. Ice -008

7/15/2015 9:30 Soil Apa 3 - 2' 1 - 4oz. Ice -009

7/15/2015 8:15 Soil Apa 4 - Surface 1 - 4oz. Ice -010

7/15/2015 9:40 Soil Apa 4 - 1' 1 - 4oz. Ice -011

7/15/2015 9:50 Soil Apa 4 - 2' 1 - 4oz. Ice -012

Date: 7/16/15

Time: Relinquished by: Amber Griffin

Date: 07/17/15

Time: 1000

Date: Time

Relinquished by:

Date

Time

Analysis Request

BTEX + MTBE + TMB's (8021)

BTEX + MTBE + TPH (Gas only)

TPH Method 8015B (Gas/Diesel)

TPH (Method 418.1)

EDB (Method 504.1)

8310 (PNA or PAH)

RCRA 8 Metals

Anions (F, Cl, NO₃, NO₂, PO₄, SO₄)

8081 Pesticides / 8082 PCB's

8260B (VOA)

8270 (Semi-VOA)

Remarks: TPH: 8015B, BTEX: 8021B. Please show BTEX results as mg/kg.



HALL ENVIRONMENTAL ANALYSIS LABORATORY

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