NM1 - _45___

MONITORING REPORT

YEAR(S):

2015-2017

JAY DAN LANDFARM, LLC NM1-045 P.O. BOX 632 LOVINGTON, NM 88260

6/9/2017

NMOCD Environmental 1220 South St. Francis Drive Santa Fe, NM 87505

RE: Jay Dan Landfarm - Bi-Annual Samples

Please find enclosed laboratory results for Bi-Annual sampling . A satellite photo of the area has been included and the sample areas have been identified by orange marks on the photo

If you have any questions feel free to contact me.

Thanks.

Danny Watson, Owner/Operator Box 632

Lovington, NM 88260

575-631-3482



Google earth

feet ______1000 meters 400

A



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

May 25, 2017

Danny Watson Jay Dan Landfarm PO Box 632 Lovington, NM 88260 TEL: (575) 631-8909

FAX

RE: Jay Dan Landfarm

OrderNo.: 1705900

Dear Danny Watson:

Hall Environmental Analysis Laboratory received 18 sample(s) on 5/17/2017 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,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1705900 Date Reported: 5/25/2017

CLIENT: Jay Dan Landfarm

Project: Jay Dan Landfarm

Lab ID:

1705900-001

Matrix: SOIL

Client Sample ID: JD-Cell 1T

Collection Date: 5/15/2017 7:05:00 AM

Received Date: 5/17/2017 9:35:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analysi	LGT
Chloride	190	30	mg/Kg	20	5/22/2017 1:42:14 PM	31886
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS	·			Analysi	: TOM
Diesel Range Organics (DRO)	110	9.9	mg/Kg	1	5/22/2017 6:47:37 PM	31814
Motor Oil Range Organics (MRO)	280	49	mg/Kg	1	5/22/2017 6:47:37 PM	31814
Surr: DNOP	101	70-130	%Rec	1	5/22/2017 6:47:37 PM	31814
EPA METHOD 8015D: GASOLINE R	ANGE	0			Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	5/18/2017 8:27:08 PM	31802
Surr: BFB	92.5	54-150	%Rec	1	5/18/2017 8:27:08 PM	31802

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

od Blank
nits Page 1 of 25
1 ugo 1 01 25
limit as specified

Lab Order 1705900

Date Reported: 5/25/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Jay Dan Landfarm

Client Sample ID: JD-Cell 3T

Project:

Jay Dan Landfarm

Collection Date: 5/15/2017 7:20:00 AM

1705900-002 Lab ID:

Matrix: SOIL

Received Date: 5/17/2017 9:35:00 AM

<u> </u>					40.0	
Analyses	Result	PQL Qual	Units		Date Analyzed	Batch
EPA METHOD 300.0: ANIONS		Section 1 Section 1	e tyri	A STATE OF THE STA	Analys	t: LGT
Chloride Chloride	90	30	mg/Kg		5/22/2017 1:54:39 PM	31886
EPA METHOD 8015M/D: DIESEL RANGE	ORGANIC	cs	. *	-Į	Analys	t: TOM
Diesel Range Organics (DRO)	140	9.4	mg/Kg	1	5/22/2017 8:59:24 PM	31814
Motor Oil Range Organics (MRO)	410	47	mg/Kg	17	5/22/2017 8:59:24 PM	31814
Sum: DNOP	108	70-130	%Rec	1	5/22/2017 8:59:24 PM	31814
EPA METHOD 8015D: GASOLINE RANGE	.	·	+ **	:	Status of a Analys	t: NSB
Gasoline Range Organics (GRO)	ND	≒ [°] 5.0	mg/Kg	1	5/18/2017 8:51:16 PM	31802
Surr. BFB	94.0	54-150	%Rec	1	5/18/2017 8:51:16 PM	31802
Section of the sectio		5.45		1		100
	•	* * **	Çle	;	respond more to	***
in the same of				,	Company of the Compan	

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

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix D
- Holding times for preparation or analysis exceeded Н
- Not Detected at the Reporting Limit
- RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- Value above quantitation range Ε
- Analyte detected below quantitation limits Page 2 of 25 J
- P Sample pH Not In Range
- Reporting Detection Limit
- Sample container temperature is out of limit as specified

Lab Order 1705900

Date Reported: 5/25/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Jay Dan Landfarm

Client Sample ID: JD-Cell 1-1V

Project: Jay Dan Landfarm

Collection Date: 5/15/2017 7:30:00 AM

Lab ID:

1705900-003

Matrix: SOIL

Received Date: 5/17/2017 9:35:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH					Analyst	: MAB
Petroleum Hydrocarbons, TR	ND	18	mg/Kg	1	5/23/2017	31861
EPA METHOD 300.0: ANIONS					Analyst	: LGT
Chloride	ND	30	mg/Kg	20	5/22/2017 2:07:04 PM	31886
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Methyl tert-butyl ether (MTBE)	ND	0.094	mg/Kg	1	5/18/2017 9:15:24 PM	31802
Benzene	ND	0.024	mg/Kg	1	5/18/2017 9:15:24 PM	31802
Toluene	ND	0.047	mg/Kg	1	5/18/2017 9:15:24 PM	31802
Ethylbenzene	ND	0.047	mg/Kg	1	5/18/2017 9:15:24 PM	31802
Xylenes, Total	ND	0.094	mg/Kg	1	5/18/2017 9:15:24 PM	31802
Surr: 4-Bromofluorobenzene	108	66.6-132	%Rec	1	5/18/2017 9:15:24 PM	31802

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

- 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
- RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits Page 3 of 25
- Sample pH Not In Range
- Reporting Detection Limit RL
- Sample container temperature is out of limit as specified

Date Reported: 5/25/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Jay Dan Landfarm

Client Sample ID: JD-Cell 1-2V

Project:

Jay Dan Landfarm

Collection Date: 5/15/2017 7:50:00 AM

Lab ID: 1705900-004

Matrix: SOIL

Received Date: 5/17/2017 9:35:00 AM

Analyses	Result	PQL Q	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH					Analys	: MAB
Petroleum Hydrocarbons, TR	ND	19	mg/Kg	1	5/23/2017	31861
EPA METHOD 300.0: ANIONS					Analys	: LGT
Chloride	ND	30	mg/Kg	20	5/22/2017 2:19:28 PM	31886
EPA METHOD 8021B: VOLATILES					Analys	: NSB
Methyl tert-butyl ether (MTBE)	ND	0.094	mg/Kg	1	5/18/2017 9:39:36 PM	31802
Benzene	ND	0.024	mg/Kg	. 1	5/18/2017 9:39:36 PM	31802
Toluene	ND	0.047	mg/Kg	1	5/18/2017 9:39:36 PM	31802
Ethylbenzene	ND	0.047	mg/Kg	1	5/18/2017 9:39:36 PM	31802
Xylenes, Total	ND	0.094	mg/Kg	1	5/18/2017 9:39:36 PM	31802
Surr: 4-Bromofluorobenzene	112	66.6-132	%Rec	1	5/18/2017 9:39:36 PM	31802

3411

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

- 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
- R RPD outside accepted recovery limits
- 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 Page 4 of 25
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order 1705900

Date Reported: 5/25/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Jay Dan Landfarm

Client Sample ID: JD-Cell 1-3V

Project:

Jay Dan Landfarm

Collection Date: 5/15/2017 8:15:00 AM

Lab ID: 17

1705900-005

Matrix: SOIL

Received Date: 5/17/2017 9:35:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH					Analy	st: MAB
Petroleum Hydrocarbons, TR	ND	18	mg/Kg	1	5/23/2017	31861
EPA METHOD 300.0: ANIONS		,			Analy	st: LGT
Chloride	ND	30	mg/Kg	20	5/22/2017 2:31:53 PM	A 31886
EPA METHOD 8021B: VOLATILES					Analy	st: NSB
Methyl tert-butyl ether (MTBE)	· ND	0.098	mg/Kg	1	5/18/2017 10:03:42 P	M 31802
Benzene	ND	0.024	mg/Kg	1	5/18/2017 10:03:42 P	M 31802
Toluene	ND	0.049	mg/Kg	1-	5/18/2017 10:03:42 P	M 31802
Ethylbenzene	ND	0.049	mg/Kg	1	5/18/2017 10:03:42 P	M 31802
Xylenes, Total	ND	0.098	mg/Kg	1	5/18/2017 10:03:42 P	M 31802
Surr: 4-Bromofluorobenzene	105	66.6-132	%Rec	1	5/18/2017 10:03:42 P	M 31802

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

- 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
- R RPD outside accepted recovery limits
- 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 Page 5 of 25
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order 1705900

Date Reported: 5/25/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Jay Dan Landfarm

Client Sample ID: JD-Cell 1-4V

Project:

Jay Dan Landfarm

1705900-006

Collection Date: 5/15/2017 8:35:00 AM

Matrix: SOIL

Received Date: 5/17/2017 9:35:00 AM

Analyses	Result	PQL Qu	al Units	DF Date Analyzed	Batch
EPA METHOD 418.1: TPH				Analyst	MAB
Petroleum Hydrocarbons, TR	ND	19	mg/Kg	1 5/23/2017	31861
EPA METHOD 300.0: ANIONS		•		Analyst	LGT
Chloride	ND	30	mg/Kg	20 5/22/2017 3:09:07 PM	31886
EPA METHOD 8021B: VOLATILES				Analyst	: NSB
Methyl tert-butyl ether (MTBE)	ND	0.10	mg/Kg	1 5/18/2017 10:27:48 PM	31802
Benzene	ND	0.025	mg/Kg	1 5/18/2017 10:27:48 PM	31802
Toluene	ND	0.050	mg/Kg	1 5/18/2017 10:27:48 PM	31802
Ethylbenzene	ND	0.050	mg/Kg	1 5/18/2017 10:27:48 PM	31802
Xylenes, Total	ND	0.10	mg/Kg	1 5/18/2017 10:27:48 PM	31802
Surr: 4-Bromofluorobenzene	109	66.6-132	%Rec	1 5/18/2017 10:27:48 PM	31802

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

- 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
- R RPD outside accepted recovery limits
- 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 Page 6 of 25
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order 1705900

Date Reported: 5/25/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Jay Dan Landfarm

Client Sample ID: JD-Cell 2-1V

Project:

Jay Dan Landfarm

Collection Date: 5/15/2017 9:15:00 AM

Lab ID: 1705900-007 Matrix: SOIL

Received Date: 5/17/2017 9:35:00 AM

Analyses	Result	PQL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH					Analy	st: MAB
Petroleum Hydrocarbons, TR	ND	19	mg/Kg	1	5/23/2017	31861
EPA METHOD 300.0: ANIONS					Analy	st: LGT
Chloride	ND	30	mg/Kg	20	5/22/2017 3:21:32 PN	1 31886
EPA METHOD 8021B: VOLATILES					Analy	st: NSB
Methyl tert-butyl ethér (MTBE)	ND	0.093	mg/Kg	1	5/18/2017 10:51:51 P	M 31802
Benzene	ND	0.023	mg/Kg	1	5/18/2017 10:51:51 P	M 31802
Toluene	ND	0.047	mg/Kg	1	5/18/2017 10:51:51 P	M 31802
Ethylbenzene	ND	0.047	mg/Kg	1	5/18/2017 10:51:51 P	M 31802
Xylenes, Total	ND	0.093	mg/Kg	1	5/18/2017 10:51:51 P	M 31802
Surr: 4-Bromofluorobenzene	106	66.6-132	%Rec	1	5/18/2017 10:51:51 P	M 31802

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

- 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
- R RPD outside accepted recovery limits
- 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 Page 7 of 25
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order 1705900

Date Reported: 5/25/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Jay Dan Landfarm

Client Sample ID: JD-Cell 2-2V

Project:

Jay Dan Landfarm

Collection Date: 5/15/2017 9:40:00 AM

Lab ID: 1705900-008

Matrix: SOIL

Received Date: 5/17/2017 9:35:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH					Analy	st: MAB
Petroleum Hydrocarbons, TR	ND	18	mg/Kg	1	5/23/2017	31861
EPA METHOD 300.0: ANIONS					Analy	st: LGT
Chloride	ND	30	mg/Kg	20	5/22/2017 3:33:56 Pt	M 31886
EPA METHOD 8021B: VOLATILES					Analy	st: NSB
Methyl tert-butyl ether (MTBE)	ND	0.099	mg/Kg	1	5/19/2017 12:27:47 A	M 31802
Benzene	ND	0.025	mg/Kg	1	5/19/2017 12:27:47	M 31802
Toluene	ND	0.050	mg/Kg	1	5/19/2017 12:27:47	M 31802
Ethylbenzene	ND	0.050	mg/Kg	1	5/19/2017 12:27:47	M 31802
Xylenes, Total	ND	0.099	mg/Kg	1	5/19/2017 12:27:47	M 31802
Surr: 4-Bromofluorobenzene	109	66.6-132	%Rec	1	5/19/2017 12:27:47	M 31802

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

- 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
- R RPD outside accepted recovery limits
- 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 Page 8 of 25
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order 1705900

Date Reported: 5/25/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Jay Dan Landfarm

Client Sample ID: JD-Cell 2-3V

Project:

Jay Dan Landfarm

Collection Date: 5/15/2017 10:00:00 AM

Lab ID: 1705900-009

Matrix: SOIL

Received Date: 5/17/2017 9:35:00 AM

Analyses	Result	PQL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH					Analys	st: MAB
Petroleum Hydrocarbons, TR	ND	20	mg/Kg	1	5/23/2017	31861
EPA METHOD 300.0: ANIONS					Analys	st: LGT
Chloride	ND	30	mg/Kg	20	5/22/2017 3:46:21 PM	31886
EPA METHOD 8021B: VOLATILES					Analys	st: NSB
Methyl tert-butyl ether (MTBE)	ND	0.099	mg/Kg	1	5/19/2017 12:51:49 A	M 31802
Benzene	ND	0.025	mg/Kg	1	5/19/2017 12:51:49 A	M 31802
Toluene	ND	0.049	mg/Kg	1	5/19/2017 12:51:49 A	M 31802
Ethylbenzene	ND	0.049	mg/Kg	1	5/19/2017 12:51:49 A	M 31802
Xylenes, Total	ND	0.099	mg/Kg	1	5/19/2017 12:51:49 A	M 31802
Surr: 4-Bromofluorobenzene	109	66.6-132	%Rec	1	5/19/2017 12:51:49 A	M 31802

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

- 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
- R RPD outside accepted recovery limits
- 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 Page 9 of 25
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Analytical Report Lab Order 1705900

Date Reported: 5/25/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Jay Dan Landfarm

Client Sample ID: JD-Cell 2-4V

Project:

Jay Dan Landfarm

Collection Date: 5/15/2017 10:25:00 AM

Lab ID: 1705900-010

Matrix: SOIL

Received Date: 5/17/2017 9:35:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH					Analys	st: MAB
Petroleum Hydrocarbons, TR	ND	19	mg/Kg	1	5/23/2017	31861
EPA METHOD 300.0: ANIONS		1			Analys	st: LGT
Chloride	ND	30	mg/Kg	20	5/22/2017 3:58:45 PM	31886
EPA METHOD 8021B: VOLATILES					Analys	st: NSB
Methyl tert-butyl ether (MTBE)	ND	0.095	mg/Kg	1	5/19/2017 1:15:51 AM	31802
Benzene	ND	0.024	mg/Kg	1	5/19/2017 1:15:51 AM	31802
Toluene	ND	0.047	mg/Kg	1	5/19/2017 1:15:51 AM	31802
Ethylbenzene	ND	0.047	mg/Kg	1	5/19/2017 1:15:51 AM	31802
Xylenes, Total	ND	0.095	mg/Kg	1	5/19/2017 1:15:51 AM	31802
Surr: 4-Bromofluorobenzene	112	66.6-132	%Rec	1	5/19/2017 1:15:51 AM	31802

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

- 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
- R RPD outside accepted recovery limits
- 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 Page 10 of 25
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Analytical Report Lab Order 1705900

Date Reported: 5/25/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Jay Dan Landfarm

Client Sample ID: JD-Cell 3-1V

Project:

Jay Dan Landfarm

Collection Date: 5/15/2017 11:00:00 AM

Lab ID: 1705900-011

Matrix: SOIL

Received Date: 5/17/2017 9:35:00 AM

Analyses	Result	PQL (Qual Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH					Analys	: MAB
Petroleum Hydrocarbons, TR	ND	19	mg/Kg	1	5/23/2017	31861
EPA METHOD 300.0: ANIONS					Analys	: LGT
Chloride	ND	30	mg/Kg	20	5/23/2017 11:42:18 AM	1 31903
EPA METHOD 8021B: VOLATILES					Analys	: NSB
Methyl tert-butyl ether (MTBE)	ND	0.097	mg/Kg	1	5/19/2017 1:39:54 AM	31802
Benzene	ND	0.024	mg/Kg	1	5/19/2017 1:39:54 AM	31802
Toluene	ND	0.049	mg/Kg	1	5/19/2017 1:39:54 AM	31802
Ethylbenzene	ND	0.049	mg/Kg	1	5/19/2017 1:39:54 AM	31802
Xylenes, Total	ND	0.097	mg/Kg	1	5/19/2017 1:39:54 AM	31802
Surr: 4-Bromofluorobenzene	111	66.6-132	%Rec	1	5/19/2017 1:39:54 AM	31802

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

- * 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
- R RPD outside accepted recovery limits
- 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 Page 11 of 25
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order 1705900

Date Reported: 5/25/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Jay Dan Landfarm

Jay Dan Landfarm

Lab ID: 1705900-012

Project:

Client Sample ID: JD-Cell 3-2V

Collection Date: 5/15/2017 11:35:00 AM

Received Date: 5/17/2017 9:35:00 AM

Analyses	Result	PQL (Qual Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH					Analys	t: MAB
Petroleum Hydrocarbons, TR	ND	20	mg/Kg	1	5/23/2017	31861
EPA METHOD 300.0: ANIONS					Analys	t: LGT
Chloride	ND	30	mg/Kg	20	5/23/2017 12:44:21 PM	31903
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Methyl tert-butyl ether (MTBE)	ND	0.096	mg/Kg	1	5/19/2017 2:04:03 AM	31802
Benzene	ND	0.024	mg/Kg	1	5/19/2017 2:04:03 AM	31802
Toluene	ND	0.048	mg/Kg	1	5/19/2017 2:04:03 AM	31802
Ethylbenzene	ND	0.048	mg/Kg	1	5/19/2017 2:04:03 AM	31802
Xylenes, Total	ND	0.096	mg/Kg	1	5/19/2017 2:04:03 AM	31802
Surr: 4-Bromofluorobenzene	111	66.6-132	%Rec	1	5/19/2017 2:04:03 AM	31802

Matrix: SOIL

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

- 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
- R RPD outside accepted recovery limits
- 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 Page 12 of 25
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order 1705900

Date Reported: 5/25/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Jay Dan Landfarm

Client Sample ID: JD-Cell 3-3V

Project:

Jay Dan Landfarm

Collection Date: 5/15/2017 12:00:00 PM

Lab ID: 1705900-013

Matrix: SOIL

Received Date: 5/17/2017 9:35:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH					Analy	st: MAB
Petroleum Hydrocarbons, TR	ND	19	mg/Kg	1	5/23/2017	31861
EPA METHOD 300.0: ANIONS					Analy	st: LGT
Chloride	ND	30	mg/Kg	20	5/23/2017 12:56:46 P	M 31903
EPA METHOD 8021B: VOLATILES					Analy	st: NSB
Methyl tert-butyl ether (MTBE)	` ND	0.096	mg/Kg	1	5/19/2017 2:28:05 AM	31802
Benzene	ND	0.024	mg/Kg	1	5/19/2017 2:28:05 AM	31802
Toluene	ND	0.048	mg/Kg	1	5/19/2017 2:28:05 AN	31802
Ethylbenzene	ND	0.048	mg/Kg	. 1	5/19/2017 2:28:05 AM	1 31802
Xylenes, Total	ND	0.096	mg/Kg	1	5/19/2017 2:28:05 AM	31802
Surr: 4-Bromofluorobenzene	111	66.6-132	%Rec	1	5/19/2017 2:28:05 AM	31802

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

- 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
- R RPD outside accepted recovery limits
- 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 limit Page 13 of 25
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order 1705900

Date Reported: 5/25/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Jay Dan Landfarm

Client Sample ID: JD-Cell 3-4V

Project:

Jay Dan Landfarm

Collection Date: 5/15/2017 12:30:00 PM

Lab ID: 1705900-014 Received Date: 5/17/2017 9:35:00 AM

Analyses	Result	PQL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH					Analys	t: MAB
Petroleum Hydrocarbons, TR	ND	19	mg/Kg	1	5/23/2017	31861
EPA METHOD 300.0: ANIONS					Analys	t: LGT
Chloride	ND	30	mg/Kg	20	5/23/2017 1:09:10 PM	31903
EPA METHOD 8021B: VOLATILES			-		Analys	t: NSB
Methyl tert-butyl ether (MTBE)	ND	0.097	mg/Kg	1	5/19/2017 2:52:07 AM	31802
Benzene	ND	0.024	mg/Kg	1	5/19/2017 2:52:07 AM	31802
Toluene	ND	0.048	mg/Kg	1	5/19/2017 2:52:07 AM	31802
Ethylbenzene	ND	0.048	mg/Kg	1	5/19/2017 2:52:07 AM	31802
Xylenes, Total	ND	0.097	mg/Kg	1	5/19/2017 2:52:07 AM	31802
Surr: 4-Bromofluorobenzene	117	66.6-132	%Rec	1	5/19/2017 2:52:07 AM	31802

Matrix: SOIL

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

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded Н
- ND Not Detected at the Reporting Limit
- RPD outside accepted recovery limits R
- % Recovery outside of range due to dilution or matrix S
- Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits Page 14 of 25 · J
- Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified

Lab Order 1705900

Date Reported: 5/25/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Jay Dan Landfarm

Client Sample ID: JD-Cell 4-1V

Project:

Jay Dan Landfarm

Collection Date: 5/15/2017 2:30:00 PM

Lab ID: 1705900-015

Matrix: SOIL

Received Date: 5/17/2017 9:35:00 AM

Analyses	Result	PQL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH		_			Analyst	: MAB
Petroleum Hydrocarbons, TR	ND	19	mg/Kg	1	5/23/2017	31861
EPA METHOD 300.0: ANIONS					Analyst	: LGT
Chloride	ND	30	mg/Kg	20	5/23/2017 1:21:35 PM	31903
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Methyl tert-butyl ether (MTBE)	ND	0.092	mg/Kg	1	5/19/2017 3:16:12 AM	31802
Benzene	ND	0.023	mg/Kg	1	5/19/2017 3:16:12 AM	31802
Toluene	ND	0.046	mg/Kg	1	5/19/2017 3:16:12 AM	31802
Ethylbenzene	ND	0.046	mg/Kg	1	5/19/2017 3:16:12 AM	31802
Xylenes, Total	ND	0.092	mg/Kg	1	5/19/2017 3:16:12 AM	31802
Surr: 4-Bromofluorobenzene	113	66.6-132	%Rec	1	5/19/2017 3:16:12 AM	31802

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

- 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
- R RPD outside accepted recovery limits
- 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 Page 15 of 25
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order 1705900

Date Reported: 5/25/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Jay Dan Landfarm

Jay Dan Landfarm

ab ID: 1705900-016

Project:

Client Sample ID: JD-Cell 4-2V

Collection Date: 5/15/2017 3:10:00 PM

Received Date: 5/17/2017 9:35:00 AM

Analyses	Result	PQL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH					Analys	t: MAB
Petroleum Hydrocarbons, TR	ND	19	mg/Kg	1	5/23/2017	31861
EPA METHOD 300.0: ANIONS					Analys	t: LGT
Chloride	ND	30	mg/Kg	20	5/23/2017 1:34:00 PM	31903
EPA METHOD 8021B: VOLATILES					Analys	: NSB
Methyl tert-butyl ether (MTBE)	ND	0.096	mg/Kg	1	5/18/2017 7:14:03 PM	31802
Benzene	ND	0.024	mg/Kg	1	5/18/2017 7:14:03 PM	31802
Toluene	ND	0.048	mg/Kg	1	5/18/2017 7:14:03 PM	31802
Ethylbenzene	ND	0.048	mg/Kg	1	5/18/2017 7:14:03 PM	31802
Xylenes, Total	ND	0.096	mg/Kg	1	5/18/2017 7:14:03 PM	31802
Surr: 4-Bromofluorobenzene	111	66.6-132	%Rec	1	5/18/2017 7:14:03 PM	31802

Matrix: SOIL

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

- 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
- R RPD outside accepted recovery limits
- 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 Page 16 of 25
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order 1705900

Date Reported: 5/25/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Jay Dan Landfarm

Project:

Jay Dan Landfarm

1705900-017

Client Sample ID: JD-Cell 4-3V

Collection Date: 5/15/2017 3:40:00 PM

Received Date: 5/17/2017 9:35:00 AM

Analyses	Result	PQL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH					Analys	t: MAB
Petroleum Hydrocarbons, TR	ND	19	mg/Kg	1	5/23/2017	31861
EPA METHOD 300.0: ANIONS					Analys	t: LGT
Chloride	ND	30	mg/Kg	20	5/23/2017 1:46:24 PM	31903
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Methyl tert-butyl ether (MTBE)	ND	0.093	mg/Kg	1	5/18/2017 7:37:35 PM	31802
Benzene	ND	0.023	mg/Kg	1	5/18/2017 7:37:35 PM	31802
Toluene	ND	0.046	mg/Kg	1	5/18/2017 7:37:35 PM	31802
Ethylbenzene	ND	0.046	mg/Kg	1	5/18/2017 7:37:35 PM	31802
Xylenes, Total	ND	0.093	mg/Kg	1	5/18/2017 7:37:35 PM	31802
Surr: 4-Bromofluorobenzene	112	66.6-132	%Rec	1	5/18/2017 7:37:35 PM	31802

Matrix: SOIL

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

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 17 of 25
- P Sample pH Not In Range
- RLReporting Detection Limit
- Sample container temperature is out of limit as specified

Analytical Report Lab Order 1705900

Date Reported: 5/25/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Jay Dan Landfarm

Client Sample ID: JD-Cell 4-4V

Project:

Jay Dan Landfarm

Collection Date: 5/15/2017 4:15:00 PM

Lab ID: 1705900-018

Matrix: SOIL

Received Date: 5/17/2017 9:35:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH					Analyst	: MAB
Petroleum Hydrocarbons, TR	ND	19	mg/Kg	1	5/23/2017	31861
EPA METHOD 300.0: ANIONS					Analyst	: LGT
Chloride	ND	30	mg/Kg	20	5/23/2017 1:58:48 PM	31903
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Methyl tert-butyl ether (MTBE)	ND	0.099	mg/Kg	1	5/18/2017 8:01:06 PM	31802
Benzene	ND	0.025	mg/Kg	1	5/18/2017 8:01:06 PM	31802
Toluene	ND	0.049	mg/Kg	1	5/18/2017 8:01:06 PM	31802
Ethylbenzene	. ND	0.049	mg/Kg	1	5/18/2017 8:01:06 PM	31802
Xylenes, Total	ND	0.099	mg/Kg	1	5/18/2017 8:01:06 PM	31802
Surr: 4-Bromofluorobenzene	111	66.6-132	%Rec	1	5/18/2017 8:01:06 PM	31802

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

- 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
- R RPD outside accepted recovery limits
- 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 Page 18 of 25
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1705900

25-May-17

Client:

Jay Dan Landfarm

Project:

Jay Dan Landfarm

Sample ID MB-31886

SampType: MBLK

TestCode: EPA Method 300.0: Anions

Client ID: PBS

Batch ID: 31886

RunNo: 42957

5/22/2017

SeqNo: 1352553

Prep Date:

Analysis Date: 5/22/2017

SPK value SPK Ref Val %REC LowLimit

Units: mg/Kg

HighLimit

RPDLimit Qual

Analyte Chloride

Result ND 1.5

Sample ID LCS-31886

SampType: LCS Batch ID: 31886 TestCode: EPA Method 300.0: Anions RunNo: 42957

110

Client ID: LCSS

Prep Date: 5/22/2017

Analysis Date: 5/22/2017

SeqNo: 1352554

Units: mg/Kg

Analyte

PQL

SPK value SPK Ref Val %REC **HighLimit**

%RPD **RPDLimit**

Chloride

14 1.5

Result

15.00

%RPD

Sample ID MB-31903

Client ID:

Prep Date: 5/23/2017

SampType: MBLK Batch ID: 31903

Analysis Date: 5/23/2017

RunNo: 42994 SeqNo: 1353923

Units: mg/Kg

Analyte Chloride

Result ND 1.5

PQL

SPK value SPK Ref Val %REC LowLimit

HighLimit

RPDLimit

Qual

Sample ID LCS-31903

SampType: LCS

TestCode: EPA Method 300.0: Anions

TestCode: EPA Method 300.0: Anions

Client ID: LCSS

Batch ID: 31903

RunNo: 42994

Prep Date: 5/23/2017

Analysis Date: 5/23/2017 POL

SeqNo: 1353924

Units: mg/Kg

Qual

Analyte Chloride

Result

14

SPK value SPK Ref Val

%REC 92.2 LowLimit 90 **HighLimit**

%RPD **RPDLimit**

Page 19 of 25

15.00 1.5

0

110

Qualifiers:

D

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit R RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- E Value above quantitation range

Reporting Detection Limit

- P

- J Analyte detected below quantitation limits
- Sample pH Not In Range

RL

Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1705900

25-May-17

Client:

Jay Dan Landfarm

Project:

Jay Dan Landfarm

Sample ID MB-31861

SampType: MBLK

TestCode: EPA Method 418.1: TPH

Batch ID: 31861

RunNo: 42982

SPK value SPK Ref Val %REC LowLimit

SPK value SPK Ref Val

100.0

5/22/2017

HighLimit

Client ID: Prep Date:

Analysis Date: 5/23/2017 **PQL**

SeqNo: 1352479

Units: mg/Kg

RPDLimit Qual

Analyte Petroleum Hydrocarbons, TR Result ND

Result

Sample ID LCS-31861

Client ID: LCSS

SampType: LCS

TestCode: EPA Method 418.1: TPH

Batch ID: 31861

PQL

20

RunNo: 42982

Prep Date: Analyte

Analysis Date: 5/23/2017

SeqNo: 1352480

%REC

Units: mg/Kg HighLimit

138

%RPD **RPDLimit**

Qual

Qual

Petroleum Hydrocarbons, TR

110 20 0 109 61.7

LowLimit

%RPD

Sample ID LCSD-31861

SampType: LCSD

RunNo: 42982

TestCode: EPA Method 418.1: TPH

Client ID: LCSS02

Batch ID: 31861

Units: mg/Kg

Analyte

Prep Date: 5/22/2017

Analysis Date: 5/23/2017

SeqNo: 1352481

HighLimit

%RPD **RPDLimit**

Petroleum Hydrocarbons, TR

Result **PQL** SPK value SPK Ref Val %REC LowLimit 110 100.0 20

109

0

61.7

138

0

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded Н
- ND Not Detected at the Reporting Limit R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- В Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits

Page 20 of 25

- Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1705900

25-May-17

Client:

Jay Dan Landfarm

Project:	Jay Dan I	andfarm									
Sample ID	LCS-31814	SampTy	/pe: LC	<u></u>	Tes	tCode: E	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID:	LCSS	Batch	ID: 31	814	F	RunNo: 4	2914		_	•	
Prep Date:	5/18/2017	Analysis Da	ate: 5 /	19/2017	5	SeqNo: 1	351129	Units: mg/k	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	44	10	50.00	0	88.5	73.2	114			<u> </u>
Surr: DNOP		4.7		5.000	<u></u> .	93.3	70	130			
Sample ID	MB-31814	SampTy	/pe: Mi	BLK	Tes	tCode: E	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID:	PBS	Batch	ID: 31	814	F	RunNo: 4	2914				
Prep Date:	5/18/2017	Analysis Da	ate: 5/	19/2017	5	SeqNo: 1	351130	Units: mg/k	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit_	Qual
	Organics (DRO)	ND	10								
-	e Organics (MRO)	ND	50	40.00		07.0		400			
Surr: DNOP		9.7		10.00		97.0	70	130			
Sample ID	LCS-31865	SampTy	/pe: LC	s	Tes	tCode: E	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID:	LCSS	Batch	ID: 31	865	F	RunNo: 4	2945				
Prep Date:	5/22/2017	Analysis Da	ate: 5/	22/2017	8	SeqNo: 1	351371	Units: %Re	C		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD_	RPDLimit	Qual
Surr: DNOP		4.8		5.000		96.8	70	130	_		
Sample ID	MB-31865	SampTy	/pe: Mi	BLK	Tes	tCode: E	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID:	PBS	Batch	ID: 31	865	F	RunNo: 4	2945				
Prep Date:	5/22/2017	Analysis Da	ate: 5/	22/2017	s	SeqNo: 1	351372	Units: %Re	C		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		9.8		10.00		97.8	70	130			
Sample ID	1705900-001AMS	SampTy	pe: MS	3	Tes	tCode: El	PA Method	8015M/D: Di	esel Range	e Organics	
Client ID:	JD-Cell 1T	Batch	ID: 31	814	F	RunNo: 4	2945				
Prep Date:	5/18/2017	Analysis Da	ate: 5/	22/2017	s	SeqNo: 1	352333	Units: mg/k	(g		
Analyte		Result	PQL	SPK_value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	140	9.5	47.66	111.1	56.9	55.8	122			
Surr: DNOP		4.7		4.766		99.0	70	130			
Sample ID	1705900-001AMSE) SampTy	pe: MS	SD D	Tes	tCode: El	PA Method	8015M/D: Di	esel Range	e Organics	
Client ID:	JD-Cell 1T	Batch	ID: 31	814	F	RunNo: 4	2945				
Prep Date:	5/18/2017	Analysis Da	ate: 5/	22/2017	8	SeqNo: 1	352334	Units: mg/k	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLim <u>it</u>	%RPD_	RPDLimit	Qual
Diesel Range C	Organics (DRO)	87	9.7	48.59	111.1	-50.1	55.8	122	45.8	20	RS

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
- RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix S
- В Analyte detected in the associated Method Blank
- Ε Value above quantitation range
- J Analyte detected below quantitation limits

Page 21 of 25

- P Sample pH Not In Range
- Reporting Detection Limit
- Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1705900

25-May-17

Client:

Jay Dan Landfarm

Project:

Jay Dan Landfarm

Sample ID 1705900-001AMSD

5/18/2017

SampType: MSD

TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: JD-Cell 1T

Batch ID: 31814

RunNo: 42945

Analysis Date: 5/22/2017

SeqNo: 1352334

Units: mg/Kg

Prep Date: Analyte

Result PQL

SPK value SPK Ref Val %REC LowLimit **HighLimit**

RPDLimit

Qual

Sur: DNOP

3.2

4.859

66.7

130

%RPD

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

% Recovery outside of range due to dilution or matrix

В Analyte detected in the associated Method Blank

Value above quantitation range

Analyte detected below quantitation limits

Sample pH Not In Range

Reporting Detection Limit

Sample container temperature is out of limit as specified

Page 22 of 25

Hall Environmental Analysis Laboratory, Inc.

WO#:

1705900

25-May-17

Client:

Jay Dan Landfarm

Project: Jay Dan 1	Landfarm									
Sample ID MB-31802	SampT	уре: М	BLK	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	e	
Client ID: PBS	Batch	ID: 31	802	F	RunNo: 4	2889				
Prep Date: 5/17/2017	Analysis D	ate: 5/	/18/2017	5	SeqNo: 1	349823	Units: mg/l	(g		
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		98.2	54	150			
Sample ID LCS-31802	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	e	
Client ID: LCSS	Batch	ID: 31	802	F	RunNo: 4	2889				
Prep Date: 5/17/2017	Analysis D	ate: 5/	/18/2017	8	SeqNo: 1	349824	Units: mg/l	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	91.1	76.4	125	<u></u>		
Surr: BFB	1100		1000		107	54	150			
Sample ID 1705900-001AMS	SampT	ype: MS	S	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	е	
Client ID: JD-Cell 1T	Batch	ID: 31	802	F	RunNo: 4:	2889				
Prep Date: 5/17/2017	Analysis D	ate: 5/	/18/2017	• 8	SeqNo: 1	349826	Units: mg/l	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	24.78	0	106	61.3	150			
Surr: BFB	1100		991.1	· · · · · · · · · · · · · · · · · · ·	108	54	150			
Sample ID 1705900-001AMS	D SampT	ype: MS	SD	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	e	
Client ID: JD-Cell 1T	Batch	ID: 31	802	F	RunNo: 4	2889				
Prep Date: 5/17/2017	Analysis D	ate: 5/	18/2017	8	SeqNo: 1	349827	Units: mg/k	(g		
•	•									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

Surr: BFB

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded

1000

948.8

- Not Detected at the Reporting Limit ND
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range

107

150

J Analyte detected below quantitation limits Page 23 of 25

- P Sample pH Not In Range
- RLReporting Detection Limit
- Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1705900

25-May-17

Client:

Jay Dan Landfarm

Project:

Jay Dan Landfarm

Sample ID MB-31802	Samp1	ype: ME	BLK	Tes	tCode: El					
Client ID: PBS	Batcl	n ID: 31	802	F	2889					
Prep Date: 5/17/2017	Analysis D	ate: 5/	18/2017	8	SeqNo: 1	349844	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	0.10								
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		112	66.6	132			

Sample ID LCS-31802	Samp	Type: LC	s	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Batc	h ID: 31	802	F						
Prep Date: 5/17/2017	Analysis [)ate: 5/	18/2017	\$	SeqNo: 1349846 Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	0.90	0.10	1.000	0	90.2	66.5	120			
Benzene	0.92	0.025	1.000	0	92.1	80	120			
Toluene	0.94	0.050	1.000	0	93.7	80	120			
Ethylbenzene	0.94	0.050	1.000	0	93.6	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.8	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		113	66.6	132			

Sample ID 1705900-003AMS	SampT	ype: MS	5	Tes	tCode: E	PA Method	8021B: Volat	tiles		
Client ID: JD-Cell 1-1V	Batch	1D: 31	802	F	RunNo: 4	2889				
Prep Date: 5/17/2017	Analysis D	ate: 5/	18/2017	SeqNo: 1349851 Units: mg/Kg						٠
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	0.86	0.094	0.9407	0	91.0	42.5	143			
Benzene	0.89	0.024	0.9407	0	95.1	61.5	138			
Toluene	0.92	0.047	0.9407	0.007177	97.4	71.4	127			
Ethylbenzene	0.94	0.047	0.9407	0	100	70.9	132			
Xylenes, Total	2.9	0.094	2.822	0	102	76.2	123			
Surr: 4-Bromofluorobenzene	1.1		0.9407		117	66.6	132			

Sample ID 1705900-003AMS	SD Samp1	SampType: MSD TestCode: EPA Method					od 8021B: Volatiles				
Client ID: JD-Cell 1-1V	Batcl	h ID: 31	802	F	RunNo: 4	2889					
Prep Date: 5/17/2017	Analysis D)ate: 5/	18/2017	S	349852	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Quat	
Methyl tert-butyl ether (MTBE)	0.93	0.098	0.9804	0	94.9	42.5	143	8.33	20		
Benzene	0.95	0.025	0.9804	0	96.6	61.5	138	5.68	20		
Foluene	0.97	0.049	0.9804	0.007177	97.8	71.4	127	4.50	20		
Ethylbenzene	0.98	0.049	0.9804	0	100	70.9	132	4.15	20		

- 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
- R RPD outside accepted recovery limits
- 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
- Page 24 of 25

- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1705900

25-May-17

Client:

Jay Dan Landfarm

Project:

Jay Dan Landfarm

Sample ID 1705900-003AMSI	SD SampType: MSD			TestCode: EPA Method 8021B: Volatiles						
Client ID: JD-Cell 1-1V	Batch	ID: 31	31802 RunNo: 42889							
Prep Date: 5/17/2017	Analysis Da	ate: 5/	18/2017	SeqNo: 1349852			Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Xylenes, Total	3.0	0.098	2.941	0	102	76.2	123	4.29	20	
Surr 4-Rmmofluomhenzene	12		ስ ዐደበላ		110	66.6	122	0	^	

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
- RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- Value above quantitation range
- J Analyte detected below quantitation limits
- Reporting Detection Limit
- P Sample pH Not In Range
- Sample container temperature is out of limit as specified

Page 25 of 25



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:	JAY DAN LANDFARM	Work Order Number:	1705900		ReptNo	: 1
				11 111-	_	
Received By:	Erin Melendrez	5/17/2017 9:35:00 AM		ina A	>	
Completed By:	Ashley Gallegos	5/17/2017 1:08:53 PM		A P		
Reviewed By:	spe 05/	17/17				
Chain of Cus	tody					
1. Custody sea	als intact on sample bottles?		Yes 🗌	No 🗆	Not Present 🗹	
2. Is Chain of C	Custody complete?		Yes 🗹	No 🗆	Not Present 🔲	
3. How was the	e sample delivered?		<u>Courier</u>			
Log In						
4. Was an atte	empt made to cool the sampl	es?	Yes 🗹	No 🗆	NA 🗆	
5. Were all sar	nples received at a temperat	ture of >0° C to 6.0°C	Yes 🗹	No 🗆	NA 🗆	
6. Sample(s) ii	n proper container(s)?		Yes 🗹	No 🗆		
7. Sufficient sa	mple volume for indicated te	st(s)?	Yes 🗹	No 🗆		
8. Are samples	(except VOA and ONG) pro	perly preserved?	Yes 🗹	No 🗀		
9. Was preserv	vative added to bottles?		Yes 🗌	No 🗹	NA 🗆	
10.VOA vials ha	ave zero headspace?		Yes 🔲	No 🗀	No VOA Vials 🗹	
11. Were any si	ample containers received b	roken?	Yes 🗆	No 🗹	# of preserved	
12 0	work match bottle labels?		Yes 🗹	No 🗆	bottles checked for pH:	
	vork match bottle labels? pancies on chain of custody)		Tes (Y)	NO L		or >12 unless noted)
13 Are matrices	correctly identified on Chair	of Custody?	Yes 🗹	No 🛚	Adjusted?	
14. Is it clear wh	at analyses were requested	>	Yes 🗹	No 🗆		
	ding times able to be met? customer for authorization.)		Yes 🗹	No 🗆	Checked by:	
Canalal Hand						
	ling (if applicable)	Maria Martina and a landa	-	[77]	Ta	
16, was client n	otified of all discrepancies w	ith this order?	Yes 🗌	No ∐	NA 🛂	-
	Notified:	Date				
¦ By ₩h		Via: [eMail [] Phone [] Fax	In Person	
Regard	2					
	Instructions:			· · · · · · · · · · · · · · · · · · ·		•
17. Additional re						
18. <u>Cooler Info</u> Cooler No		Seal Intact Seal No 3	Seal Date	Signed By	,	
1		Yes	Joan Date	: Olymon by		

JAY DAN LANDFARM, LLC NM1-045 P.O. BOX 632 LOVINGTON, NM 88260



10/4/2016

NMOCD Environmental 1220 South St. Francis Drive Santa Fe, NM 87505

RE: Jay Dan Landfarm - Q3 Vadose Samples

Please find enclosed laboratory results for Q3 vadose zone sampling . A satellite photo of the area has been included and the sample areas have been identified by orange marks on the photo

If you have any questions feel free to contact me. I appreciate your time and continued cooperation with us.

Thanks,

Danny Watson, Owner/Operator

Box 632

Lovington, NM 88260

575-631-3482



Google earth

feet ______1000 meters 400



Lab Order 1609497

Date Reported: 9/23/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Jay Dan Landfarm

Jay Dan Landfarm

Lab ID: 1609497-001

Project:

Client Sample ID: Cell 1-T

Collection Date: 9/6/2016 6:15:00 AM

Received Date: 9/8/2016 9:30:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	st: LGT
Chloride	5	2 30	mg/Kg	20	9/13/2016 6:02:03 PM	27462
EPA METHOD 8015M/D: DIESEL RA	ANGE ORGA	NICS			Analys	st: TOM
Diesel Range Organics (DRO)	6	0 9.7	mg/Kg	1	9/14/2016 9:34:13 AM	27445
Motor Oil Range Organics (MRO)	11	0 49	mg/Kg	1	9/14/2016 9:34:13 AM	27445
Surt: DNOP	98.	5 70-130	%Rec	1	9/14/2016 9:34:13 AM	27445
EPA METHOD 8015D: GASOLINE F	ANGE				Analys	st: RAA
Gasoline Range Organics (GRO)	, NI	D 4.7	mg/Kg	1	9/14/2016 12:44:15 PI	v 27468
Surr. BFB	77.	7 68.3-144	%Rec	1	9/14/2016 12:44:15 PI	M 27468

Matrix: SOIL

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

- 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
- R RPD outside accepted recovery limits
- 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 Page 1 of 23
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order 1609497

Date Reported: 9/23/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Jay Dan Landfarm

Jay Dan Landfarm

Lab ID: 1609497-002

Project:

Client Sample ID: Cell 3-T

Collection Date: 9/6/2016 6:45:00 AM

Matrix: SOIL Received Date: 9/8/2016 9:30:00 AM

Analyses	Result	PQL	Qual Uni	ts	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analys	t: LGT
Chloride	64	30	mg/	/Kg	20	9/13/2016 6:26:52 PM	27462
EPA METHOD 8015M/D: DIESEL RA	ANGE ORGANICS					Analys	t: TOM
Diesel Range Organics (DRO)	140	9.8	mg/	/Kg	1	9/14/2016 10:29:50 AM	A 27445
Motor Oil Range Organics (MRO)	280	49	mg/	/Kg	1	9/14/2016 10:29:50 AM	A 27445
Surr: DNOP	101	70-130	%R	lec	1	9/14/2016 10:29:50 AM	A 27445
EPA METHOD 8015D: GASOLINE R	ANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	4.7	mg/	/Kg	1	9/14/2016 1:54:42 PM	27468
Surr. BFB	77.4	68.3-144	%R	lec	1	9/14/2016 1:54:42 PM	27468

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

- 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
- R RPD outside accepted recovery limits
- 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 Page 2 of 23
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order 1609497

Date Reported: 9/23/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Jay Dan Landfarm

Project: Jay Dan Landfarm

Lab ID: 1609497-003

Client Sample ID: Cell 1-1V

Collection Date: 9/6/2016 7:10:00 AM

Received Date: 9/8/2016 9:30:00 AM

Analyses	Result	PQL Qu	al Units	DF Date Analyzed Bat
EPA METHOD 418.1: TPH		· · · · · ·		Analyst: MA
Petroleum Hydrocarbons, TR	ND	19	mg/Kg	1 9/14/2016 274
EPA METHOD 300.0: ANIONS				Analyst: LG
Chloride	8.5	1.5	mg/Kg	1 9/13/2016 6:39:17 PM 274
EPA METHOD 8021B: VOLATILES				Analyst: RA
Methyl tert-butyl ether (MTBE)	ND	0.094	mg/Kg	1 9/14/2016 2:18:15 PM 274
Benzene	ND	0.023	mg/Kg	1 9/14/2016 2:18:15 PM 274
Toluene	ND	0.047	mg/Kg	1 9/14/2016 2:18:15 PM 274
Ethylbenzene	ND	0.047	mg/Kg	1 9/14/2016 2:18:15 PM 274
Xylenes, Total	ND	0.094	mg/Kg	1 9/14/2016 2:18:15 PM 274
Surr: 4-Bromofluorobenzene	91.6	80-120	%Rec	1 9/14/2016 2:18:15 PM 274

Matrix: SOIL

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

- 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
- R RPD outside accepted recovery limits
- 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 Page 3 of 23
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order 1609497

Date Reported: 9/23/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Jay Dan Landfarm

Project: Jay Dan Landfarm

Lab ID: 1609497-004

Client Sample ID: Cell 1-2V

Collection Date: 9/6/2016 7:40:00 AM

Received Date: 9/8/2016 9:30:00 AM

Analyses	Result	PQL Qua	l Units	, ,DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH		<u> </u>			Analys	st: MAB
Petroleum Hydrocarbons, TR	ND.	20	mg/Kg	1	9/14/2016	27461
EPA METHOD 300.0: ANIONS					Analys	st: LGT
Chloride	2.5	1.5	mg/Kg	1	9/13/2016 11:49:33 P	M ∴27482
EPA METHOD 8021B: VOLATILES		,			Analys	st: RAA
Methyl tert-butyl ether (MTBE)	ND	0.095	mg/Kg	1	9/14/2016 3:28:48 PM	27468
Benzene	ND -	0.024	mg/Kg	1	9/14/2016 3:28:48 PM	27468
Toluene	ND	0.047	mg/Kg	1	9/14/2016 3:28:48 PM	27468
Ethylbenzene	ND	0.047	mg/Kg	1	9/14/2016 3:28:48 PM	27468
Xylenes, Total	ND	0.095	mg/Kg	1	9/14/2016 3:28:48 PM	27468
Surr: 4-Bromofluorobenzene	89.4	80-120	%Rec	1	9/14/2016 3:28:48 PM	27468

Matrix: SOIL

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

- 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
- R RPD outside accepted recovery limits
- 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 Page 4 of 23
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order 1609497

Date Reported: 9/23/2016

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: Cell 1-3V

Project: Jay Dan Landfarm

Collection Date: 9/6/2016 8:05:00 AM

Lab ID: 1609497-005

CLIENT: Jay Dan Landfarm

Matrix: SOIL Received

Received Date: 9/8/2016 9:30:00 AM

Analyses	Result	PQL Qua	l Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH					Analys	t: MAB
Petroleum Hydrocarbons, TR	ND ·	19 ·	mg/Kg	1.	9/14/2016	27461
EPA METHOD 300.0: ANIONS					Analys	t: LGT
Chloride	2.2	1.5	mg/Kg	1	9/14/2016 1:04:01 AM	27482
EPA METHOD 8021B: VOLATILES			, ,		Analys	t: RAA
Methyl tert-butyl ether (MTBE)	, ND	0.098	mg/Kg	1	9/14/2016 3:52:19 PM	27468
Benzene	NĐ	0.024	mg/Kg	1	9/14/2016 3:52:19 PM	27468
Toluene	ND	0.049	mg/Kg	1	9/14/2016 3:52:19 PM	27468
Ethylbenzene	ND	0.049	mg/Kg	1	9/14/2016 3:52:19 PM	27468
Xylenes, Total	ND	0.098	mg/Kg	1	9/14/2016 3:52:19 PM	27468
Surr: 4-Bromofluorobenzene	90.8	80-120	%Rec	1	9/14/2016 3:52:19 PM	27468

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

- 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
- R RPD outside accepted recovery limits
- 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 Page 5 of 23
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Date Reported: 9/23/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Jay Dan Landfarm

Project:

Lab ID:

Jay Dan Landfarm

1609497-006

Client Sample ID: Cell 1-4V

Collection Date: 9/6/2016 8:30:00 AM

Received Date: 9/8/2016 9:30:00 AM

Analyses	Result	PQL Qua	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH					Analy	st: MAB
Petroleum Hydrocarbons, TR	ND.	19	mg/Kg	1	9/14/2016	27461
EPA METHOD 300.0: ANIONS					Analys	st: LGT
Chloride	2.3	1.5	mg/Kg	.1	9/14/2016 1:28:50 AM	27482
EPA METHOD 8021B: VOLATILES					Analys	st: RAA
Methyl tert-butyl ether (MTBE)	ND	0.099	mg/Kg	1	9/14/2016 4:15:42 PM	27468
Benzene	ND	0.025	mg/Kg	1	9/14/2016 4:15:42 PM	27468
Toluene	ND	0.049	mg/Kg	1	9/14/2016 4:15:42 PM	27468
Ethylbenzene	ND	0.049	mg/Kg	1	9/14/2016 4:15:42 PM	27468
Xylenes, Total	ND	0.099	mg/Kg	1	9/14/2016 4:15:42 PM	27468
Surr: 4-Bromofluorobenzene	89.7	80-120	%Rec	1	9/14/2016 4:15:42 PM	27468

Matrix: SOIL

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

- 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
- R RPD outside accepted recovery limits
- 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 Page 6 of 23
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Date Reported: 9/23/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Jay Dan Landfarm

Client Sample ID: Cell 2-1V

Project: Jay

Jay Dan Landfarm

Collection Date: 9/6/2016 9:10:00 AM

Lab ID: 160

1609497-007

Matrix: SOIL

Received Date: 9/8/2016 9:30:00 AM

Analyses	Result	PQL Qual	Units	DF D	ate Analyzed	Batch
EPA METHOD 418.1: TPH					Analys	t: MAB
Petroleum Hydrocarbons, TR	ND	19	mg/Kg	1 9	/14/2016	27461
EPA METHOD 300.0: ANIONS					Analys	t: LGT
Chloride	2.5	1.5	mg/Kg	-1 9	/14/2016 1:53:40 AM	27482
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Methyl tert-butyl ether (MTBE)	ND	0.097	mg/Kg	1 9	/14/2016 4:39:06 PM	27468
Benzene	ND	0.024	mg/Kg	1 9	/14/2016 4:39:06 PM	27468
Toluene	ND	0.048	mg/Kg	1 9	/14/2016 4:39:06 PM	27468
Ethylbenzene	ND	0.048	mg/Kg	1 9	/14/2016 4:39:06 PM	27468
Xylenes, Total	ND	0.097	mg/Kg	1 9	/14/2016 4:39:06 PM	27468
Surr: 4-Bromofluorobenzene	90.7	80-120	%Rec	1 9	/14/2016 4:39:06 PM	27468

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

- 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
- R RPD outside accepted recovery limits
- 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 Page 7 of 23
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Date Reported: 9/23/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Jay Dan Landfarm

Client Sample ID: Cell 2-2V

Project:

Jay Dan Landfarm

Collection Date: 9/6/2016 9:35:00 AM

Lab ID: 1609497-008 Matrix: SOIL

Received Date: 9/8/2016 9:30:00 AM

Analyses	Result	PQL Qu	al Units	_	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH				Analyst	: MAB		
Petroleum Hydrocarbons, TR	ND.	20	mg/Kg	.*	. 1	9/14/2016	27461
EPA METHOD 300.0: ANIONS						Analyst	: LGT
Chloride	2.1	-1.5	mg/Kg		1	9/14/2016 2:18:29 AM	27482
EPA METHOD 8021B: VOLATILES						Analyst	: RAA
Methyl tert-butyl ether (MTBE)	ND	0.093	mg/Kg		1	9/14/2016 5:02:39 PM	27468
Benzene	ND	0.023	mg/Kg		1	9/14/2016 5:02:39 PM	27468
Toluene	ND	0.046	mg/Kg		1	9/14/2016 5:02:39 PM	27468
Ethylbenzene	ND	0.046	mg/Kg		1	9/14/2016 5:02:39 PM	27468
Xylenes, Total	ND	0.093	mg/Kg		1	9/14/2016 5:02:39 PM	27468
Surr: 4-Bromofluorobenzene	88.1	80-120	%Rec		1	9/14/2016 5:02:39 PM	27468

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

- 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
- R RPD outside accepted recovery limits
- 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 Page 8 of 23
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order 1609497

Date Reported: 9/23/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Jay Dan Landfarm

Client Sample ID: Cell 2 3V Jay Dan Landfarm

Matrix: SOIL

1609497-009 Lab ID:

Project:

Collection Date: 9/6/2016 10:00:00 AM Received Date: 9/8/2016 9:30:00 AM

Analyses	Result	PQL Q	ual Units	DF Date Analyzed	Batch
EPA METHOD 418.1: TPH				Analys	t: MAB
Petroleum Hydrocarbons, TR	ND	, 19·	mg/Kg	1 9/14/2016	27461
EPA METHOD 300.0: ANIONS				Analysi	t: LGT
Chloride	2.6	1:5	mg/Kg	1 9/14/2016 2:43:19 AM	27482
EPA METHOD 8021B: VOLATILES				Analys	t: RAA
Methyl tert-butyl ether (MTBE)	. ND	0.095	mg/Kg	1 9/14/2016 5:26:15 PM	27468
Benzene	ND	0.024	mg/Kg	1 9/14/2016 5:26:15 PM	27468
Toluene	ND	0.048	mg/Kg	1 9/14/2016 5:26:15 PM	27468
Ethylbenzene	ND	0.048	mg/Kg	1 9/14/2016 5:26:15 PM	27468
Xylenes, Total	ND .	0.095	mg/Kg	1 9/14/2016 5:26:15 PM	27468
Surr: 4-Bromofluorobenzene	89.1	80-120	%Rec	1 9/14/2016 5:26:15 PM	27468

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

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits Page 9 of 23
- P Sample pH Not In Range
- RLReporting Detection Limit
- Sample container temperature is out of limit as specified

Lab Order 1609497

Date Reported: 9/23/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Jay Dan Landfarm

Jay Dan Landfarm

Lab ID: 1609497-010

Project:

Client Sample ID: Cell 2 4V

Collection Date: 9/6/2016 10:20:00 AM

Received Date: 9/8/2016 9:30:00 AM

Analyses	Result	PQL Qu	al Units	DI	Date Analyzed	Batch
EPA METHOD 418.1: TPH					Analyst: N	
Petroleum Hydrocarbons, TR	ND ·	18	mg/Kg	1	9/14/2016	27461
EPA METHOD 300.0: ANIONS					Analys	t: LGT
Chloride	8.5	1.5	mg/Kg	-4	9/14/2016 3:32:58 AM	27482
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Methyl tert-butyl ether (MTBE)	ND	0.095	mg/Kg	1	9/14/2016 7:46:58 PM	27468
Benzene	ND	0.024	mg/Kg	1	9/14/2016 7:46:58 PM	27468
Toluene	ND	0.048	mg/Kg	1	9/14/2016 7:46:58 PM	27468
Ethylbenzene	ND	0.048	mg/Kg	1	9/14/2016 7:46:58 PM	27468
Xylenes, Total	ND	0.095	mg/Kg	1	9/14/2016 7:46:58 PM	27468
Surr: 4-Bromofluorobenzene	90.2	80-120	%Rec	1	9/14/2016 7:46:58 PM	27468

Matrix: SOIL

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

- 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
- R RPD outside accepted recovery limits
- 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 Page 10 of 23
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order 1609497

Date Reported: 9/23/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Jay Dan Landfarm

Jay Dan Landfarm

Lab ID: 1609497-011

Project:

Client Sample ID: Cell 3-1V

Collection Date: 9/6/2016 11:00:00 AM

Received Date: 9/8/2016 9:30:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH				Analyst: M		
Petroleum Hydrocarbons, TR	ND ·	20	mg/Kg	1	9/14/2016	27461
EPA METHOD 300.0: ANIONS					Analys	t: LGT
Chloride	8.6	1.5	mg/Kg	1	9/14/2016 3:57:47 AM	27482
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Methyl tert-butyl ether (MTBE)	ND	0.098	mg/Kg	1	9/14/2016 8:10:16 PM	27468
Benzene	ND	0.024	mg/Kg	1	9/14/2016 8:10:16 PM	27468
Toluene	ND	0.049	mg/Kg	1	9/14/2016 8:10:16 PM	27468
Ethylbenzene	ND	0.049	mg/Kg	1	9/14/2016 8:10:16 PM	27468
Xylenes, Total	ND	0.098	mg/Kg	1	9/14/2016 8:10:16 PM	27468
Surr: 4-Bromofluorobenzene	91.0	80-120	%Rec	1	9/14/2016 8:10:16 PM	27468

Matrix: SOIL

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	Η.	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 11 of 23
	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 matr	ix W	Sample container temperature is out of limit as specified

Lab Order 1609497

Date Reported: 9/23/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Jay Dan Landfarm

Project:

Lab ID:

Jay Dan Landfarm

1609497-012

Client Sample ID: Cell 3-2V

Collection Date: 9/6/2016 11:25:00 AM

Received Date: 9/8/2016 9:30:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH			Analys	: MAB		
Petroleum Hydrocarbons, TR	ND ··	19	mg/Kg	1	9/14/2016	27461
EPA METHOD 300.0: ANIONS		i			Analys	: LGT
Chloride	2.7	1:5	mg/Kg	1	9/14/2016 4:22:37 AM	27482
EPA METHOD 8021B: VOLATILES		•			Analys	: RAA
Methyl tert-butyl ether (MTBE)	ND	0.099	mg/Kg	1	9/14/2016 8:33:46 PM	27468
Benzene	ND	0.025	mg/Kg	1	9/14/2016 8:33:46 PM	27468
Toluene	ND	0.050	mg/Kg	1	9/14/2016 8:33:46 PM	27468
Ethylbenzene	ND	0.050	mg/Kg	1	9/14/2016 8:33:46 PM	27468
Xylenes, Total	ND	0.099	mg/Kg	1	9/14/2016 8:33:46 PM	27468
Surr: 4-Bromofluorobenzene	88.4	80-120	%Rec	1	9/14/2016 8:33:46 PM	27468

Matrix: SOIL

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

- 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
- R RPD outside accepted recovery limits
- 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 limitspage 12 of 23
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order 1609497

Date Reported: 9/23/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Jay Dan Landfarm

Project: Jay Dan Landfarm

1609497-013 Lab ID:

Client Sample ID: Cell 3-3V

Collection Date: 9/6/2016 11:55:00 AM

Received Date: 9/8/2016 9:30:00 AM

Analyses	Result	PQL Qu	nal Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH					Analys	t: MAB
Petroleum Hydrocarbons, TR	ND	19	mg/Kg	1	9/14/2016	27461
EPA METHOD 300.0: ANIONS	1			Analys	t: LGT	
Chloride	3.2	1.5	mg/Kg	. 1	9/14/2016 4:47:26 AM	27482
EPA METHOD 8021B: VOLATILES		1			Analys	t: RAA
Methyl tert-butyl ether (MTBE)	ND	0.098	mg/Kg	1	9/14/2016 8:57:14 PM	27468
Benzene	ND	0.024	mg/Kg	1	9/14/2016 8:57:14 PM	27468
Toluene	ND	0.049	mg/Kg	1	9/14/2016 8:57:14 PM	27468
Ethylbenzene	ND	0.049	mg/Kg	1	9/14/2016 8:57:14 PM	27468
Xylenes, Total	ND	0.098	mg/Kg	1	9/14/2016 8:57:14 PM	27468
Surr. 4-Bromofluorobenzene	88.2	80-120	%Rec	1	9/14/2016 8:57:14 PM	27468

Matrix: SOIL

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

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded Н
- Not Detected at the Reporting Limit
- RPD outside accepted recovery limits R
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- Ε Value above quantitation range
- Analyte detected below quantitation limits Page 13 of 23
- P Sample pH Not In Range
- Reporting Detection Limit
- Sample container temperature is out of limit as specified

Lab Order 1609497

Date Reported: 9/23/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Jay Dan Landfarm

Project: Jay Dan Landfarm

Lab ID: 1609497-014

Client Sample ID: Cell 3-4V

Collection Date: 9/6/2016 12:30:00 PM

Received Date: 9/8/2016 9:30:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH	***	:			Analys	t: MAB
Petroleum Hydrocarbons, TR	ND	20	mg/Kg	1	9/14/2016	27461
EPA METHOD 300.0: ANIONS		1			Analys	t: LGT
Chloride	2.1	1.5	mg/Kg	1	9/14/2016 5:12:15 AM	27482
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Methyl tert-butyl ether (MTBE)	ND	0.097	mg/Kg	1	9/14/2016 9:20:45 PM	27468
Benzene	ND	0.024	mg/Kg	1	9/14/2016 9:20:45 PM	27468
Toluene	ND	0.048	mg/Kg	1	9/14/2016 9:20:45 PM	27468
Ethylbenzene	ND	0.048	mg/Kg	1	9/14/2016 9:20:45 PM	27468
Xylenes, Total	ND	0.097	mg/Kg	1	9/14/2016 9:20:45 PM	27468
Surr: 4-Bromofluorobenzene	87.8	80-120	%Rec	1	9/14/2016 9:20:45 PM	27468

Matrix: SOIL

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	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 exceed	led J	Analyte detected below quantitation limits Page 14 of 23
	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 n	natrix W	Sample container temperature is out of limit as specified

Lab Order 1609497

Date Reported: 9/23/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Jay Dan Landfarm

Jay Dan Landfarm

Lab ID: 1609497-015

Project:

Client Sample ID: Cell 4-1V

Collection Date: 9/6/2016 1:15:00 PM

Received Date: 9/8/2016 9:30:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH	· · · · · · · · · · · · · · · · · · ·				Analys	t: MAB
Petroleum Hydrocarbons, TR	ND	19	mg/Kg	1	9/14/2016	27461
EPA METHOD 300.0: ANIONS					Analys	t: LGT
Chloride	2.3	1.5	mg/Kg	1	9/14/2016 6:01:53 AM	27482
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Methyl tert-butyl ether (MTBE)	ND	0.093	mg/Kg	1	9/14/2016 9:44:19 PM	27468
Benzene	ND ·	0.023	mg/Kg	1	9/14/2016 9:44:19 PM	27468
Toluene	ND	0.047	mg/Kg	1	9/14/2016 9:44:19 PM	27468
Ethylbenzene	ND	0.047	mg/Kg	1	9/14/2016 9:44:19 PM	27468
Xylenes, Total	ND	0.093	mg/Kg	1	9/14/2016 9:44:19 PM	27468
Surr: 4-Bromofluorobenzene	87.7	80-120	%Rec	1	9/14/2016 9:44:19 PM	27468

Matrix: SOIL

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

Qualifiers: Value exceeds Maximum Contaminant Level. Analyte detected in the associated Method Blank D Sample Diluted Due to Matrix Ε Value above quantitation range Analyte detected below quantitation limits Page 15 of 23 Н Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit Sample pH Not In Range RPD outside accepted recovery limits Reporting Detection Limit % Recovery outside of range due to dilution or matrix Sample container temperature is out of limit as specified

Lab Order 1609497

Date Reported: 9/23/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Jay Dan Landfarm

Jay Dan Landfarm

Lab ID: 1609497-016

Project:

Client Sample ID: Cell 4-2V

Collection Date: 9/6/2016 1:40:00 PM

Received Date: 9/8/2016 9:30:00 AM

Analyses	Result	PQL C	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH		1			Analyst	MAB
Petroleum Hydrocarbons, TR	ND	20	mg/Kg	1	9/14/2016	27461
EPA METHOD 300.0: ANIONS		1			Analyst	LGT
Chloride	2.0	1.5	mg/Kg	1	9/14/2016 11:01:49 AM	27482
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Methyl tert-butyl ether (MTBE)	ND ·	0.099	mg/Kg	1	9/14/2016 10:07:49 PM	27468
Benzene	, ND	0.025	mg/Kg	1	9/14/2016 10:07:49 PM	27468
Toluene	ND	0.050	mg/Kg	1	9/14/2016 10:07:49 PM	27468
Ethylbenzene	ND	0.050	mg/Kg	1	9/14/2016 10:07:49 PM	27468
Xylenes, Total	ND	0.099	mg/Kg	1	9/14/2016 10:07:49 PM	27468
Surr: 4-Bromofluorobenzene	88.2	80-120	%Rec	1	9/14/2016 10:07:49 PM	27468

Matrix: SOIL

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

- 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
- R RPD outside accepted recovery limits
- 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 Page 16 of 23
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Date Reported: 9/23/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Jay Dan Landfarm

Project:

Lab ID:

Jay Dan Landfarm

Jay Dan Landram 1609497-017 Client Sample ID: Cell 4-3V

Collection Date: 9/6/2016 2:20:00 PM

Received Date: 9/8/2016 9:30:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH					Analy	/st: MAB
Petroleum Hydrocarbons, TR	ND	20	mg/Kg	1	9/14/2016	27461
EPA METHOD 300.0: ANIONS		!			Analy	/st: LGT
Chloride	8.1	1.5	mg/Kg	1	9/14/2016 11:26:38	AM 27482
EPA METHOD 8021B: VOLATILES					Analy	/st: RAA
Methyl tert-butyl ether (MTBE)	ND	0.095	mg/Kg	1	9/14/2016 10:31:15 F	PM 27468
Benzene	ND	0.024	mg/Kg	1	9/14/2016 10:31:15 F	PM 27468
Toluene	ND	0.048	mg/Kg	1	9/14/2016 10:31:15 F	PM 27468
Ethylbenzene	ND	0.048	mg/Kg	1	9/14/2016 10:31:15 F	PM 27468
Xylenes, Total	ND	0.095	mg/Kg	1	9/14/2016 10:31:15 F	PM 27468
Surr: 4-Bromofluorobenzene	88.2	80-120	%Rec	1	9/14/2016 10:31:15 F	PM 27468

Matrix: SOIL

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

- 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
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- 3 Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 17 of 23
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Date Reported: 9/23/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Jay Dan Landfarm

Project: Jay Dan Landfarm

Lab ID: 1609497-018

Client Sample ID: Cell 4-4V

Collection Date: 9/6/2016 2:45:00 PM

Received Date: 9/8/2016 9:30:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH			-		Analys	t: MAB
Petroleum Hydrocarbons, TR	ND	20	mg/Kg	1	9/14/2016	27461
EPA METHOD 300.0: ANIONS		<u> </u>			Analys	t: LGT
Chloride	2.6	1.5	mg/Kg	1	9/14/2016 11:51:28 AM	1 27482
EPA METHOD 8021B: VOLATILES		!	•		Analys	t: RAA
Methyl tert-butyl ether (MTBE)	ND	0.093	mg/Kg	1	9/14/2016 10:54:40 PN	1 27468
Benzene	ND	0.023	mg/Kg	1	9/14/2016 10:54:40 PM	1 27468
Toluene	ND	0.046	mg/Kg	1	9/14/2016 10:54:40 PM	27468
Ethylbenzene	· ND	0.046	mg/Kg	1	9/14/2016 10:54:40 PM	1 27468
Xylenes, Total	ND	0.093	mg/Kg	1	9/14/2016 10:54:40 PM	1 27468
Surr: 4-Bromofluorobenzene	88.3	80-120	%Rec	1	9/14/2016 10:54:40 PM	1 27468

Matrix: SOIL

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

- 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
- R RPD outside accepted recovery limits
- 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 limit Page 18 of 23
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

104/

Chain-of-Custody Recor	Tum-Around Time:			ر ا	NLL E	:611/7				ra i
Jan Dan	Standard Rush	· Ì			IALY					
12 Com 1 2000 10	Project Name:				w.haller				74. E. A.	/// 1
g Address: Box 632	Jan Dan	acat Pales	4901	 Hawkins)9	
motor 11m 88260	Project #:	()		505-345-		Fax 50			,,,	
# 575. 631-8909	B. Amuel S	molan	101.	300 0-10		lysis R	_			
or Fax#: bison. Consulting le Pam			\ <u>\</u>			(2)			TT	
Package: Indard ☐ Level 4 (Full Valida	D. Watso	w .	Gas or		SIMS)		200 S			
ditation LAP Other	On toe: Na Yes	□ NO +	+ TPH	18.1)	8270 \$	NO ₂	2 8082	€ .		or N)
D (Type)	Sample Temperature 4	S L		8 8 8	O S	Ž	₩ (A	3/	ᅨ	ځ
Time Matrix Sample Reques	t ID Container Preservative Type and # Type	HEALING TO SEE	BTEX + MTBE + TPH (Gas only)	TPH (Method 418.1)	PAH's (8310 or 8270 RCRA 8 Matals	Anions (F,CI,NO ₃ ,NO ₂ ,	8260B (VOA)	8270 (Semi-VOA)	450 mg/d	Air Bubbles (Y or N)
6:15 gal COO 1 - T	1-403 Ice	-001	1					~	.11	
6:45 Soil Call 3-T	1-403 cce	-002	V					V	\Box	
7:10 Sol GOD 1- IV	1400 100	-003 J	╁╁	V	++-	++	+		,+-	
7:40 50/ 1-22	1-403 cc	-004 J		1			7 1	V		
505 Sol 1-3V	1.400 ICR	-005 V		7				V		
8:30 901 1-48	1.400 1ces	-Ode V		V				V		
90 For 1 CD1 2 - 12	1-403 152	-007 V	+-+-	J	++	++	+	J	+++	+++
9135 Soil 1-2V	1-407 100)	-008 V		U				V	1	
18:00 Sp.1 2 - 3 V	1-402 100	-009 J		U				V	T	
19:20 50 2 - 4 V	1-402 100	-010' V		V					$\eta = 1$	
Time: Relinquished by: Harrison	Received by:	Date Time Re	marks:		iuth	to	,			
Time: Relinquished by:	Received by:	Date Time 108/10 0930	ison .	d Ros consu	lting 1	ب @ ما	yma	11.00	om	
If necessary, samples subjitted to Hall Environmental ma			sibility. Any	sub-contract	ed data will	be clearly n	otated on	the analy	tical report	 t.

Cl	hain-	of-Cu	stody Record	Turn-Around	Time:]	= 1			A1		.	et E	20		_	U NTA	
$\overline{}$		Day		Standard	□ Rush		-						-					NTA TOI	
				Project Name):														
ب <u>د</u> اروز	ddress:	Boy 6	77	Jan	an Laud Level Scr	forh		401	`. 14 11.		ww.h						400		
<u> </u>	noto	U DAY	20 <u>C</u>	Project #:			┨.		~	,	s NE		-	-					
1	Mary .	NW	88260	R. Aun	2 ann	was lin		16	1. 50	5-34	-3975		rax ysis	_		4107			
			31.8909	Project Mana	CON.	rind in d		\sim	<u> </u>	- +		Allal		_	uesi	, 1	-		
) Pa	ackage: ard	zison. G	Dosulting No@gmailson □ Level 4 (Full Validation)	D. W	of son		s (8021)	+ TPH (Gas only)	DRO / MRO)		SIMS		04,80	PCB's					
	ation		L Lover + (1 dir Vandation)	Sampler: K	11. 11.	rnson	TMB's	Ĭ,	Ř				18	8082			ļ	- }	
:LA	P	□ Othe	r		Ves	DENO!	± 1	F	õ	138	504.1)		N.	8/		a		1	Z
D ((Type)			Sample Temp			BE		9	4	<u> </u>	tals	Z	ides	اررا	9	_	- }	ع ا
,	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL NO	BTEX + MTBE	BTEX + MTBE	TPH 8015B (GRO	TPH (Method 418.1)	EDB (Method	RCRA 8 Metals	Anions (F,CI,NO3,NO2,PO4,SO4)	8081 Pesticides	8260B (VOA)	8270 (Semi-VOA)	Orleans		Air Bubbles (Y or N)
$ \top_{\ell} $	00:13	50/	CD 3-1V	1-40-2	100	-011	5			J							2	1	
	7.25		3- 2V	1-400	يك	-012	J			1							テ		
- 1	11:55		3-3V	1-403	ice	-0B	J			7		\top					1		
T	2:30		3 - 4 √	1-402	100	-014	1			7		1	-				U	1	
Ť		JUN 1		1-5			1			_	+	†						+	
1):15	5.1	C004-1V	1-403	1W	-015	J		\neg	5	1	1				,	0	十	
		501	4- 21/	1-403	رف	-016	V			1							ブ		
$ \Gamma$	5. 30		4- 3-11	1-403	رس	-017	Ū			J		1	1				1		
•	2:45	, ,	4-4-V	1-40	رف	-018	17			31	十	1					J		
丁	<u> </u>	-21-1		2				-				T							
7							†		\neg	十	1	十	1						
+										7	_						一	1	
	Time:	Relinquish	h Harrison	Received by:	h	Date Time 9/4/6 /430	Ren	narks		2ng	rec	a D	t	to	į	<u> </u>	<u> </u>		<u> </u>
1	Time:	Relinquish		Received by:	09/	Date Time	b	i50	n. (ant	ulti	ng	ile (eg	ma	LT 1.	(0	M	

JAY DAN LANDFARM, LLC NM1-045 P.O. BOX 632 LOVINGTON, NM 88260



NMOCD Environmental ATTN: Mr. Brad Jones 1220 South St. Francis Drive Santa Fe, NM 87505

RE: Jay Dan Landfarm - Q1 Vadose Samples

Mr. Jones:

Please find enclosed laboratory results for Q1 vadose zone sampling. A satellite photo of the area has been included and the sample areas have been identified by orange markers on the photo.

If you have any questions feel free to contact me. I appreciate your time and continued cooperation with us.

Thanks,

Danny Watson, Owner/Operator

of Water

Box 632

Lovington, NM 88260

575-631-3482

Date Reported: 2/25/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Jay Dan Landfarm

Project: Jay Dan Landfarm

1602697-003 Lab ID:

Client Sample ID: 1-1V

Collection Date: 2/15/2016 7:15:00 AM

Received Date: 2/17/2016 9:33:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH					Analy	st: TOM
Petroleum Hydrocarbons, TR	ND	19	mg/Kg	1	2/22/2016	23830
EPA METHOD 300.0: ANIONS					Analy	st: LGT
Chloride	ND	1.5	mg/Kg	1	2/19/2016 2:19:20 PM	A 23854
EPA METHOD 8021B: VOLATILES			•		Analy	st: NSB
Benzene	ND	0.049	mg/Kg	1	2/19/2016 10:20:50 A	M 23808
Toluene	ND	0.049	mg/Kg	1	2/19/2016 10:20:50 A	M 23808
Ethylbenzene	ND ·	0.049	mg/Kg	1	2/19/2016 10:20:50 A	M 23808
Xylenes, Total	ND	0.098	mg/Kg	1	2/19/2016 10:20:50 A	M 23808
Surr: 4-Bromofluorobenzene	102	80-120	%Rec	1	2/19/2016 10:20:50 A	M 23808

Matrix: SOIL

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

- 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
- RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits Page 3 of 21 J
- P Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified

Lab Order 1602697

Date Reported: 2/25/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Jay Dan Landfarm

Project: Jay Dan Landfarm

Lab ID:

1602697-004

Client Sample ID: 1-2V

Matrix: SOIL

Collection Date: 2/15/2016 7:40:00 AM

Received Date: 2/17/2016 9:33:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH			· · · ·		Analy	st: TOM
Petroleum Hydrocarbons, TR	ND	19	mg/Kg	1	2/22/2016	23830
EPA METHOD 300.0: ANIONS					Analy	st: LGT
Chloride	ND	1.5	mg/Kg	1	2/19/2016 2:44:09 PI	A 23854
EPA METHOD 8021B: VOLATILES					Analy	st: NSB
Benzene	· ND	0.050	mg/Kg	1	2/19/2016 11:31:18 A	M 23808
Toluene	ND	0.050	mg/Kg	1	2/19/2016 11:31:18 A	M 23808
Ethylbenzene	ND	0.050	mg/Kg	1	2/19/2016 11:31:18 A	M 23808
Xylenes, Total	ND	0.10	mg/Kg	1	2/19/2016 11:31:18 A	M 23808
Surr: 4-Bromofluorobenzene	111	80-120	%Rec	1	2/19/2016 11:31:18 A	M 23808

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

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits Page 4 of 21
- Sample pH Not in Range
- RLReporting Detection Limit
- Sample container temperature is out of limit as specified

Lab Order 1602697

Date Reported: 2/25/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Jay Dan Landfarm

Client Sample ID: 1-3V

Project: Jay Dan Landfarm

Collection Date: 2/15/2016 8:00:00 AM

Lab ID: 1602697-005

Matrix: SOIL

Received Date: 2/17/2016 9:33:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH					Analy	st: TOM
Petroleum Hydrocarbons, TR	ND	20	mg/Kg	1	2/22/2016	23830
EPA METHOD 300.0: ANIONS					Analy	st: LGT
Chloride	13	1.5	mg/Kg	1	2/19/2016 3:08:59 PM	A 23854
EPA METHOD 8021B: VOLATILES					Analy	st: NSB
Benzene	ND	0.049	mg/Kg	1	2/19/2016 12:41:41 F	M 23808
Toluene	ND	0.049	mg/Kg	1	2/19/2016 12:41:41 F	M 23808
Ethylbenzene	ND	0.049	mg/Kg	1	2/19/2016 12:41:41 F	M 23808
Xylenes, Total	ND	0.097	mg/Kg	1	2/19/2016 12:41:41 F	M 23808
Surr: 4-Bromofluorobenzene	106	80-120	%Rec	1	2/19/2016 12:41:41 F	M 23808

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

- 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
- R RPD outside accepted recovery limits
- 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 Page 5 of 21
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Date Reported: 2/25/2016

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: 1-4V

CLIENT: Jay Dan Landfarm
Project: Jay Dan Landfarm

Collection Date: 2/15/2016 8:25:00 AM

Lab ID: 1602697-006

Matrix: SOIL

Received Date: 2/17/2016 9:33:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH					Analyst	: TOM
Petroleum Hydrocarbons, TR	ND	20	mg/Kg	1 -	2/22/2016	23830
EPA METHOD 300.0: ANIONS					Analyst	: LGT
Chloride	ND	1.5	mg/Kg	1	2/19/2016 3:33:47 PM	23854
EPA METHOD 8021B: VOLATILES			•		Analyst	: NSB
Benzene	ND	0.046	mg/Kg	1	2/19/2016 1:05:10 PM	23808
Toluene	ND	0.046	mg/Kg	1	2/19/2016 1:05:10 PM	23808
Ethylbenzene	ND .	0.046	mg/Kg	1	2/19/2016 1:05:10 PM	23808
Xylenes, Total	ND	0.093	mg/Kg	1	2/19/2016 1:05:10 PM	23808
Surr: 4-Bromofluorobenzene	112	80-120	%Rec	1	2/19/2016 1:05:10 PM	23808

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

- 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
- R RPD outside accepted recovery limits
- 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 Page 6 of 21
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order 1602697

Date Reported: 2/25/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Jay Dan Landfarm

Client Sample ID: 2-1V

Project: Jay Dan Landfarm

Collection Date: 2/15/2016 9:00:00 AM

Lab ID: 1602697-007

Matrix: SOIL

Received Date: 2/17/2016 9:33:00 AM

Analyses	Result	PQL Qua	l Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH	-				Analys	t: TOM
Petroleum Hydrocarbons, TR	ND	20	mg/Kg	· 1	2/22/2016	23830
EPA METHOD 300.0: ANIONS				•	Analys	t: LGT
Chloride	ND	1.5	mg/Kg	1	2/19/2016 4:23:26 PM	23854
EPA METHOD 8021B: VOLATILES				* .	Analys	t: NSB
Benzene	ND	0.047	mg/Kg	1	2/19/2016 1:28:41 PM	23808
Toluene	ND	0.047	mg/Kg	1	2/19/2016 1:28:41 PM	23808
Ethylbenzene	· ND	0.047	mg/Kg	1	2/19/2016 1:28:41 PM	23808
Xylenes, Total	· ND	0:094	mg/Kg	1	2/19/2016 1:28:41 PM	23808
Surr: 4-Bromofluorobenzene	108	80-120	%Rec	1	2/19/2016 1:28:41 PM	23808

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

- 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
- R RPD outside accepted recovery limits
- 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 Page 7 of 21
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Date Reported: 2/25/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Jay Dan Landfarm

Client Sample ID: 2-2V

Jay Dan Landfarm Project:

Collection Date: 2/15/2016 9:25:00 AM

Lab ID: 1602697-008 Matrix: SOIL

Received Date: 2/17/2016 9:33:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH					Analys	t: TOM
Petroleum Hydrocarbons, TR	ND	20	mg/Kg	1	2/22/2016	23830
EPA METHOD 300.0: ANIONS					Analys	t: LGT
Chloride	ND	1.5	mg/Kg	1	2/19/2016 4:48:16 PM	23854
EPA METHOD 8021B: VOLATILES			• .		Analys	t: NSB
Benzene	ND	0.046	mg/Kg	1	2/19/2016 1:52:07 PM	23808
Toluene	ND	0.046	mg/Kg	1	2/19/2016 1:52:07 PM	23808
Ethylbenzene	ND	0.046	mg/Kg	. 1	2/19/2016 1:52:07 PM	23808
Xylenes, Total	ND	0.093	mg/Kg	1	2/19/2016 1:52:07 PM	23808
Surr: 4-Bromofluorobenzene	109	80-120	%Rec	1	2/19/2016 1:52:07 PM	23808

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

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix
- В Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits Page 8 of 21
- P Sample pH Not In Range
- Reporting Detection Limit RL
- Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 2/25/2016

CLIENT: Jay Dan Landfarm

Project: Jay Dan Landfarm

1602697-009 Lab ID:

Client Sample ID: 2-3V

Collection Date: 2/15/2016 9:40:00 AM

Received Date: 2/17/2016 9:33:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH					Analyst	: TOM
Petroleum Hydrocarbons, TR	ND	19	mg/Kg	1	2/22/2016	23830
EPA METHOD 300.0: ANIONS	•				Analyst	: LGT
Chloride	1.6	1.5	mg/Kg	1	2/19/2016 5:13:04 PM	23854
EPA METHOD 8021B: VOLATILES		·			Analyst	: NSB
Benzene	ND	0.050	mg/Kg	1	2/19/2016 2:15:44 PM	23808
Toluene	ND	0.050	mg/Kg	1	2/19/2016 2:15:44 PM	23808
Ethylbenzene	ND	0.050	mg/Kg	1	2/19/2016 2:15:44 PM	23808
Xylenes, Total	ND	0.10	mg/Kg	1	2/19/2016 2:15:44 PM	23808
Surr: 4-Bromofluorobenzene	108	80-120	%Rec	1	2/19/2016 2:15:44 PM	23808

Matrix: SOIL

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

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix D
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix
- В Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits Page 9 of 21 1
- P Sample pH Not In Range
- Reporting Detection Limit RL
- Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 2/25/2016

CLIENT: Jay Dan Landfarm

Client Sample ID: 2-4V

Project: Jay Dan Landfarm Collection Date: 2/15/2016 10:05:00 AM

1602697-010 Lab ID:

Matrix: SOIL

Received Date: 2/17/2016 9:33:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH					Analyst	: TOM
Petroleum Hydrocarbons, TR	ND	20	mg/Kg	1	2/22/2016	23830
EPA METHOD 300.0: ANIONS					Analyst	: LGT
Chloride	ND	1.5	mg/Kg	-1	2/19/2016 5:37:55 PM	23854
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.047	mg/Kg	1	2/19/2016 2:39:13 PM	23808
Toluene	NĎ	0.047	mg/Kg	1	2/19/2016 2:39:13 PM	23808
Ethylbenzene	ND	0.047	mg/Kg	1	2/19/2016 2:39:13 PM	23808
Xylenes, Total	ND	0.095	mg/Kg	1	2/19/2016 2:39:13 PM	23808
Surr: 4-Bromofluorobenzene	111	80-120	%Rec	1	2/19/2016 2:39:13 PM	23808

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

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limit Page 10 of 21 1
- Sample pH Not In Range
- Reporting Detection Limit
- Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 2/25/2016

CLIENT: Jay Dan Landfarm

Jay Dan Landfarm **Project:**

Lab ID: 1602697-011 Client Sample ID: 3-1V

Collection Date: 2/15/2016 10:25:00 AM

Received Date: 2/17/2016 9:33:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH					Analys	t: TOM
Petroleum Hydrocarbons, TR	ND	20	mg/Kg	1	2/22/2016	23830
EPA METHOD 300.0: ANIONS					Analys	t: LGT
Chloride	ND -	1.5	mg/Kg	1	2/19/2016 6:02:45 PM	23854
EPA METHOD 8021B: VOLATILES	•				Analys	t: NSB
Benzene	ND	0.048	mg/Kg	1	2/19/2016 3:02:40 PM	23808
Toluene	ND	0.048	mg/Kg	1	2/19/2016 3:02:40 PM	23808
Ethylbenzene	ND ³	0.048	mg/Kg	1	2/19/2016 3:02:40 PM	23808
Xylenes, Total	ND	0.097	mg/Kg	1	2/19/2016 3:02:40 PM	23808
Sun: 4-Bromofluorobenzene	108	80-120	%Rec	1	2/19/2016 3:02:40 PM	23808

Matrix: SOIL

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

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- Value above quantitation range Е
- Analyte detected below quantitation limits Page 11 of 21 J
- P Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified

Lab Order 1602697

Date Reported: 2/25/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Jay Dan Landfarm

Client Sample ID: 3-2V

Jay Dan Landfarm Project:

Collection Date: 2/15/2016 10:50:00 AM

1602697-012 Lab ID:

Matrix: SOIL

Received Date: 2/17/2016 9:33:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH					Analysi	: TOM
Petroleum Hydrocarbons, TR	ND	20	mg/Kg	1	2/22/2016	23830
EPA METHOD 300.0: ANIONS	•		•		Analyst	: LGT
Chloride	13	1.5	mg/Kg	1	2/19/2016 6:52:25 PM	23854
EPA METHOD 8021B: VOLATILES					Analysi	: NSB
Benzene	ND	0.047	mg/Kg	1	2/19/2016 5:00:23 PM	23808
Toluene	ND	0.047	mg/Kg	1	2/19/2016 5:00:23 PM	23808
Ethylbenzene	ND	0.047	mg/Kg	1	2/19/2016 5:00:23 PM	23808
Xylenes, Total	ND	0.093	mg/Kg	1	2/19/2016 5:00:23 PM	23808
Surr: 4-Bromofluorobenzene	106	80-120	%Rec	1	2/19/2016 5:00:23 PM	23808

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

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits Page 12 of 21 J
- Sample pH Not In Range
- Reporting Detection Limit
- Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 2/25/2016

CLIENT: Jay Dan Landfarm

Project: Jay Dan Landfarm

Lab ID: 1602697-013

Client Sample ID: 3-3V

Collection Date: 2/15/2016 11:15:00 AM

Received Date: 2/17/2016 9:33:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH					Analysi	: TOM
Petroleum Hydrocarbons, TR	ND	~ 19	mg/Kg	1	2/22/2016	23830
EPA METHOD 300.0: ANIONS	•				Analyst	: LGT
Chloride	ND	1.5	mg/Kg	1	2/19/2016 7:17:14 PM	23854
EPA METHOD 8021B: VOLATILES			,		Analyst	: NSB
Benzene	ND	0.049	mg/Kg	1	2/19/2016 5:23:48 PM	23808
Toluene	ND	0.049	mg/Kg	1	2/19/2016 5:23:48 PM	23808
Ethylbenzene	ND	0.049	mg/Kg	1	2/19/2016 5:23:48 PM	23808
Xylenes, Total	ND	0.097	mg/Kg	1	2/19/2016 5:23:48 PM	23808
Surr: 4-Bromofluorobenzene	108	80-120	%Rec	1	2/19/2016 5:23:48 PM	23808

Matrix: SOIL

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

- 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
- R RPD outside accepted recovery limits
- 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 Page 13 of 21
- P Sample pH Not in Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Date Reported: 2/25/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Jay Dan Landfarm

Client Sample ID: 3-4V

Project: Jay Dan Landfarm Collection Date: 2/15/2016 11:40:00 AM

Lab ID: 1602697-014 Matrix: SOIL Received Date: 2/17/2016 9:33:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH					Analyst	: TOM
Petroleum Hydrocarbons, TR	ND	20	mg/Kg	• 1	2/22/2016	23830
EPA METHOD 300.0: ANIONS				•	Analyst	: LGT
Chloride	ND	1.5	mg/Kg	1	2/19/2016 7:42:04 PM	23854
EPA METHOD 8021B: VOLATILES	,				Analyst	: NSB
Benzene	ND	0.049	mg/Kg	1	2/19/2016 5:47:18 PM	23808
Toluene	ND	0.049	mg/Kg	1	2/19/2016 5:47:18 PM	23808
Ethylbenzene	ND	0.049	mg/Kg	1	2/19/2016 5:47:18 PM	23808
Xylenes, Total	ND	0.098	mg/Kg	1	2/19/2016 5:47:18 PM	23808
Surr: 4-Bromofluorobenzene	107	80-120	%Rec	1	2/19/2016 5:47:18 PM	23808

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

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- Value above quantitation range E
- Analyte detected below quantitation limitPage 14 of 21 J
- Sample pH Not in Range
- Reporting Detection Limit RL
- Sample container temperature is out of limit as specified

Lab Order 1602697

Date Reported: 2/25/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Jay Dan Landfarm

Client Sample ID: 4-1V

Project: Jay Dan Landfarm

Collection Date: 2/15/2016 12:10:00 PM

Lab ID: 1602697-015

Matrix: SOIL

Received Date: 2/17/2016 9:33:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH			,		Analys	t: TOM
Petroleum Hydrocarbons, TR.	ND	20	mg/Kg	1	2/22/2016	23830
EPA METHOD 300.0: ANIONS					Analys	t: LGT
Chloride	ND	1.5	mg/Kg	1	2/19/2016 8:06:53 PM	23854
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.048	mg/Kg	1	2/19/2016 6:10:43 PM	23808
Toluene	ND	0.048	mg/Kg	1	2/19/2016 6:10:43 PM	23808
Ethylbenzene	ND	0.048	mg/Kg	1	2/19/2016 6:10:43 PM	23808
Xylenes, Total	ND	0.096	mg/Kg	1	2/19/2016 6:10:43 PM	23808
Surr: 4-Bromofluorobenzene	106	80-120	%Rec	1	2/19/2016 6:10:43 PM	23808

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

- 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
- R RPD outside accepted recovery limits
- 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 limitspage 15 of 21
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc. Date Reported: 2/25/2016

CLIENT: Jay Dan Landfarm

Client Sample ID: 4-2V

Jay Dan Landfarm Project:

Collection Date: 2/15/2016 12:30:00 PM

Lab ID:

1602697-016

Received Date: 2/17/2016 9:33:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH	· · · · · · · · · · · · · · · · · · ·				Analysi	: TOM
Petroleum Hydrocarbons, TR	ND	20	mg/Kg	1	2/22/2016	23830
EPA METHOD 300.0: ANIONS	•				Analysi	: LGT
Chloride	15	1.5	mg/Kg	1	2/19/2016 8:31:42 PM	23854
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.047	mg/Kg	1	2/19/2016 6:34:05 PM	23808
Toluene	ND	0.047	mg/Kg	1	2/19/2016 6:34:05 PM	23808
Ethylbenzene	ND	0.047	mg/Kg	1	2/19/2016 6:34:05 PM	23808
Xylenes, Total	ND	0.094	mg/Kg	1	2/19/2016 6:34:05 PM	23808
Surr: 4-Bromofluorobenzene	106	80-120	%Rec	1	2/19/2016 6:34:05 PM	23808

Matrix: SOIL

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

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits Page 16 of 21
- Sample pH Not In Range
- Reporting Detection Limit
- Sample container temperature is out of limit as specified

Lab Order 1602697

Date Reported: 2/25/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Jay Dan Landfarm

Client Sample ID: 4-3V

Project: Jay Dan Landfarm

Collection Date: 2/15/2016 12:55:00 PM

Lab ID: 1602697-017

Matrix: SOIL

Received Date: 2/17/2016 9:33:00 AM

Analyses	Result	PQL Qua	al Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH					Analys	st: TOM
Petroleum Hydrocarbons, TR	ND	20	mg/Kg	1	2/22/2016	23830
EPA METHOD 300.0: ANIONS					Analys	it: LGT
Chloride	ND	1.5	mg/Kg	1	2/23/2016 11:59:35 Al	vi 23908
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.049	mg/Kg	1	2/19/2016 6:57:27 PM	23808
Toluene	ND	0.049	mg/Kg	1	2/19/2016 6:57:27 PM	23808
Ethylbenzene	ND	0.049	mg/Kg	1	2/19/2016 6:57:27 PM	23808
Xylenes, Total	ND	0.098	mg/Kg	1	2/19/2016 6:57:27 PM	23808
Surr: 4-Bromofluorobenzene	104	80-120	%Rec	1	2/19/2016 6:57:27 PM	23808

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

- 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
- R RPD outside accepted recovery limits
- 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 limitspage 17 of 21
- P Sample pH Not in Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order 1602697

Date Reported: 2/25/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Jay Dan Landfarm

Client Sample ID: 4-4V

Project: Jay Dan Landfarm

Collection Date: 2/15/2016 1:15:00 PM

Lab ID: 1602697-018

Matrix: SOIL Received Date: 2/17/2016 9:33:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH			,		Analy	st: TOM
Petroleum Hydrocarbons, TR	ND	20	mg/Kg	1	2/22/2016	23830
EPA METHOD 300.0: ANIONS	. '			,	Analy	st: LGT
Chloride	14	1.5	mg/Kg	1	2/23/2016 12:49:13 P	M 23908
EPA METHOD 8021B: VOLATILES					Analy	st: NSB
Benzene	ND	0.049	mg/Kg	1	2/19/2016 7:20:46 PM	A 23808
Toluene	ND	0.049	mg/Kg	1	2/19/2016 7:20:46 PM	A 23808
Ethylbenzene	ND	0.049	mg/Kg	1	2/19/2016 7:20:46 PM	A 23808
Xylenes, Total	ND	0.099	mg/Kg	1	2/19/2016 7:20:46 PM	A 23808
Surr: 4-Bromofluorobenzene	103	80-120	%Rec	1	2/19/2016 7:20:46 PM	A 23808

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

- 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
- R RPD outside accepted recovery limits
- 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 Page 18 of 21
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified



Google earth

A