District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011

Final Report

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action OPERATOR Initial Report Contact: Steve Moskal Initial Report

Contact: Steve Moskal	
Telephone No.: 505-326-9497	
Facility Type: Natural gas well	
	Telephone No.: 505-326-9497

Surface Owner: Federal

Type of Release: Produced water/oil

E-mail Address: steven.moskal@bp.com

* Attach Additional Sheets If Necessary

Date: September 15, 2016

Mineral Owner: Federal

API No. 3003924365

Volume Recovered: none

Attached

LOCATION OF RELEASE

		a contract of the second second	r oot nom me	Lust nest Line	County: Rio Arriba
G 10 30N 07	7W 1,465	North	1,650	East	

Latitude 36.83052158°

____Longitude _______ ^ 07.5533976 °

NATURE	OF	RELEASE
	Vo	lume of Release: Reported

	4.68; unknown	
Source of Release: Water transfer pipeline	Date and Hour of Occurrence: unknown	Date and Hour of Discovery: August 1, 2016 @ 11:45 AM
Was Immediate Notice Given?	If YES, To Whom?	OIL CONS. DIV DIST. 3
By Whom?	Date and Hour:	0101.3
Was a Watercourse Reached?	If YES, Volume Impacting the Wa	stercourse. SEP 19 2016
If a Watercourse was Impacted, Describe Fully.*		
Describe Cause of Problem and Remedial Action Taken.* Pipeline inspec underground piping. Fluids ran along the right away, remaining on right		
Describe Area Affected and Cleanup Action Taken.* Approximately 64' The pipeline was excavated on August 23, 2016 to reveal a release point is repaired. Soil samples were collected at the surface during the initial resp excavation to repair the pipeline. Laboratory sample results for BTEX, T the spill and release guidelines based on site ranking. Laboratory results a	in the 6" steel pipeline; internal corro- ponse, at depth during the spill remedi PH and chloride determine that the in	sion caused the release. The pipeline was ation and below the pipeline during itial remediation of the spill suffices to meet
I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release ne public health or the environment. The acceptance of a C-141 report by the should their operations have failed to adequately investigate and remediate or the environment. In addition, NMOCD acceptance of a C-141 report defederal, state, or local laws and/or regulations.	otifications and perform corrective ac e NMOCD marked as "Final Report" e contamination that pose a threat to loes not relieve the operator of respon	ctions for releases which may endanger does not relieve the operator of liability ground water, surface water, human health sibility for compliance with any other
Signature: Mars Muc	OIL CONSER	VATION DIVISION
Printed Name: Steve Moskal	Approved by Environmental Speciali	ist cresto ino
Title: Field Environmental Coordinator	Approval Date: 912012012	Expiration Date:

Conditions of Approval:

Phone: 505-326-9497

-1626434753

BP America Sims Mesa 6" Pipeline Release (C) Sec 14 – T30N – R7W Rio Arriba County, New Mexico

Summary Record of Impact Remediation

<u>August 25, 2016</u> – The initial response was to delineate and determine the relative degree of hydrocarbon impacts from the point of release (POR) of a water pipeline located in <u>Unit letter C, Section14, T30N, R7W - GPS coordinates:</u> <u>36.818987, -107.543963</u>. Collected lateral, vertical measurements, and two (2) soil samples from the apparent impacted pathway (*see Table Summary below*). Soil lithology consisted of silt to silty sand. Soil discoloration at ground surface evident by darker shade of brown.

The site closure standard was determined at 5,000 parts per million for Total Petroleum Hydrocarbons based on:

- Depth to Groundwater >100 feet (0 points)
 Based on site ground level elevation (6,295 ft.) relative to Navajo Reservoir nearest point and at its maximum capacity (estimated at 6,085 ft.).
- Wellhead Protection Area > 1,000 feet (0 points)
 Water well search of State Engineer's database & topo map review for other water sources attached & Figure 1.
- 3. Distance to Nearest Surface Water Body > 1,000 feet (0 points) Horizontal distance to blue line on USGS Topo & Aerial Map terrain features – Figures 1 & 2.

<u>September 8, 2016</u> – Three subsequent soil samples collected after trench advanced to locate and repair pipeline. First sample collected from bedrock sandstone approximately 6 ½ feet below grade (b.g.) at the point of release. Second sample collected from terminal end of release (**TOR**), and last sample collected one (1) foot beneath impacted pathway (*see Table Summary on following page*).

<u>September 12, 2016</u> – Three additional subsequent soil samples collected within trench area at and near the point of release (*east, west sidewalls, & trench bottom - see Table Summary on following page*). Crew excavated stained pathway to approximately one (1) foot b.g. of material previously described (*see also Figure 3 aerial map*). Total volume of impacted soil removed from pathway and point of release area was approximately 35 to 40 cubic yards.

Sample ID	Date	Time	Field OVM (ppm)	TPH Method 8015B (GRO) (mg/Kg)	TPH Method 8015B (DRO) (mg/Kg)	TPH Method 8015B (MRO) (mg/Kg)	Benzene (mg/Kg)	Total BTEX (mg/Kg)	Chloride (mg/Kg)
5PC @ G.S. (Impact Path)	8/25/2016	1300	NA	68	9,000	36,000	<0.032	<0.13	<30
5PC @ 0.3'-0.5' (Beneath Impact Path)	8/25/2016	1315	NA	58	1,600	3,500	<0.028	<0.11	<30
Closure Standards			100	GRO+I	DRO+MRO	= 5,000	10	50	NA

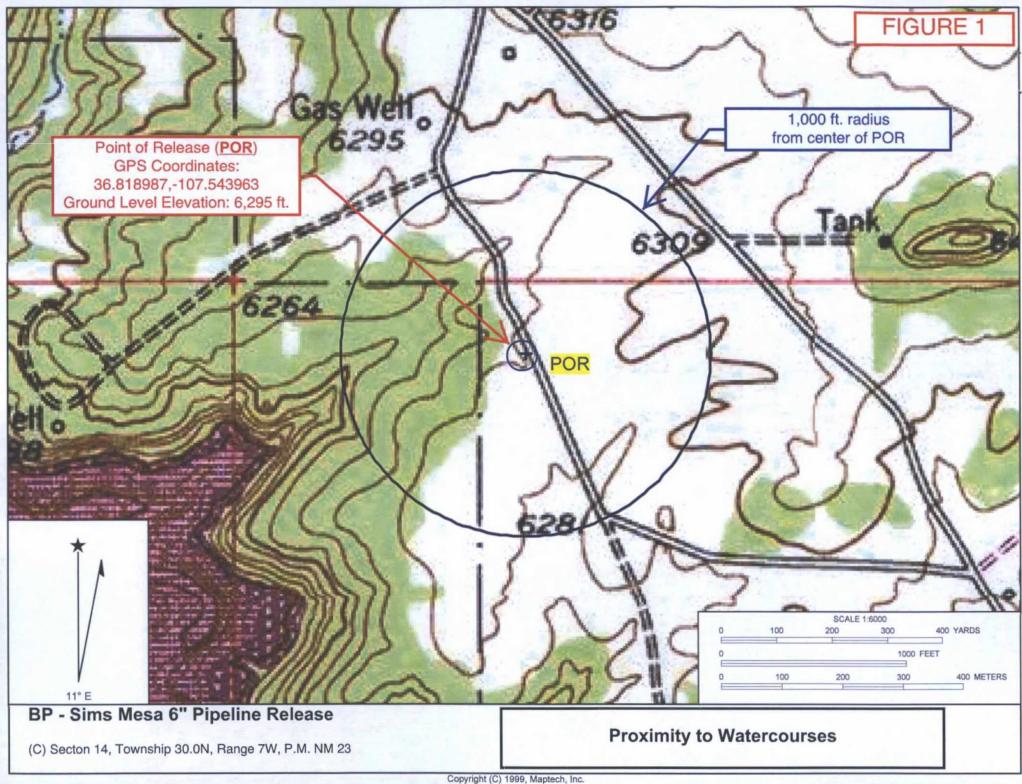
Table Summary of Field / Lab Data

Notes: OVM = Organic Vapor Meter; ppm = parts per million; mg/Kg = milligram per kilogram; GRO = Gasoline Range Organics; DRO = Diesel Range Organics; MRO = Motor Oil Range Organics; BTEX = benzene, toluene, ethylbenzene, total xylenes; Closure Standards based on NMOCD Spill & Release Guidelines.

Sample ID	Date	Time	Field OVM (ppm)	TPH Method 8015B (GRO) (mg/Kg)	TPH Method 8015B (DRO) (mg/Kg)	TPH Method 8015B (MRO) (mg/Kg)	Benzene (mg/Kg)	Total BTEX (mg/Kg)	Chloride (mg/Kg)
1 @ 6.5' (POR)	9/08/2016	1120	171	560	8,800	23,000	0.21	43.41	44
2 @ 1' (TOR)	9/08/2016	1130	0.3	<4.2	<10	<50	<0.021	<0.084	<30
3PC @ 1' (Beneath Impact Path)	9/08/2016	1145	8.5	<4.2	<9.8	<49	<0.021	<0.084	<30
3PC-SW (East) @ 2'-4'-6'	9/12/2016	1200	111.2	21	560	1,900	<0.028	<0.11	<30
3PC-SW (West) @ 2'-4'-6'	9/12/2016	1205	3.0	<4.1	22	95	<0.020	<0.081	260
3PC-Trench @ 6'	9/12/2016	1210	5.6	<4.2	260	1,300	<0.021	<0.084	170
Closure Standards	ううち	e la compañía de la c	100	GRO+I	DRO+MRO	= 5,000	10	50	NA

Table Summary of Field / Lab Data (continued)

Notes: OVM = Organic Vapor Meter; ppm = parts per million; mg/Kg = milligram per kilogram; GRO = Gasoline Range Organics; DRO = Diesel Range Organics; MRO = Motor Oil Range Organics; BTEX = benzene, toluene, ethylbenzene, total xylenes; Closure Standards based on NMOCD Spill & Release Guidelines.



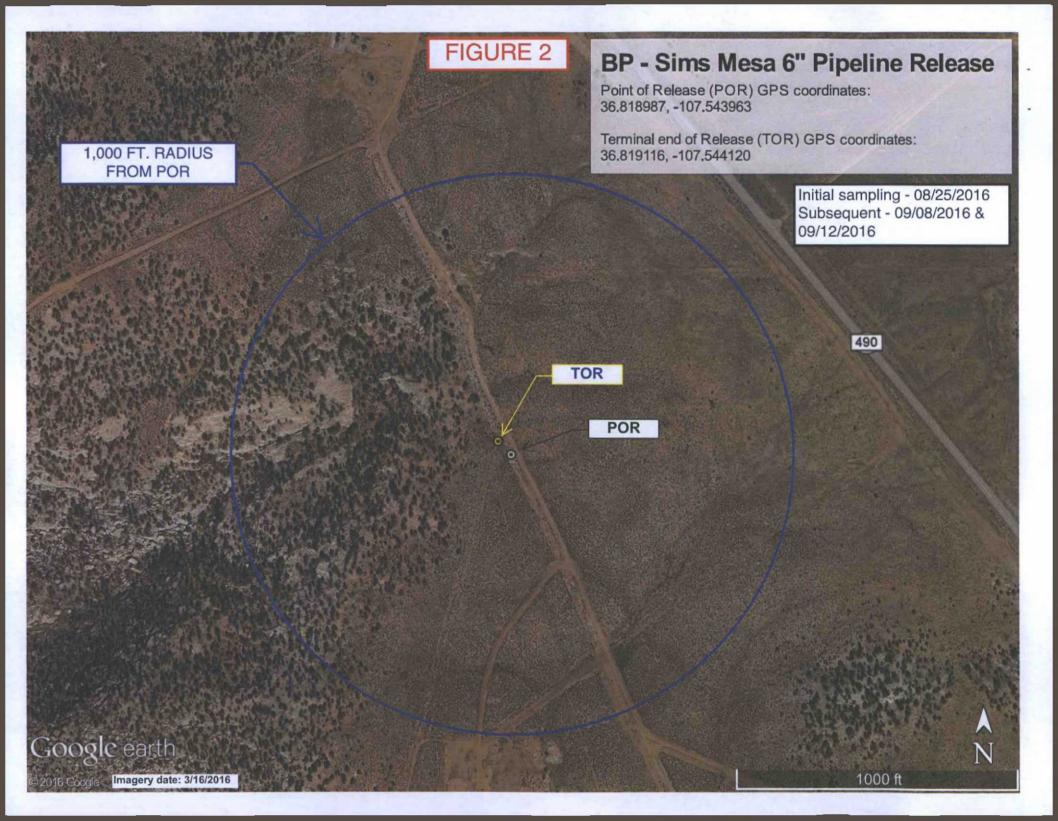


FIGURE 3

Terminal End of Release (TOR) Sample ID: 2 @ 1' - grab Date: 09/08/16; Time: 1130 OVM = 0.3 ppm Silt to silty sand, non cohesive, firm, slightly moist

BP - Sims Mesa 6" Pipeline Release

Point of Release (POR) GPS coordinates: 36.818987, -107.543963

Terminal end of Release (TOR) GPS coordinates: 36.819116, -107.544120

Approx. 63.5 lateral feet

Impact path tranversing in NW direction Path width estimated at 2-3 ft. Darker brown ground surface staining Sample ID: 3PC @ 1' - 3 pt. composite near TOR Date: 09/08/16; Time: 1145 OVM = 8.5 ppm Silt to silty sand, non cohesive, firm, slightly moist

Point of Release (POR) Sample ID: 1 @ 6.5' - grab Date: 09/08/16; Time: 1120 OVM = 171 ppm Bedrock sandstone, very hard, competent

Pipeline - 5 ft. below grade

Trench for pipeline repair bottom depth at 6 ft. below grade

OVM calibration Date: 9/8/16, Time: 1155; Reading: 52.6 ppm RF - 0.52, Calibration gas - 100 ppm

2016 Google Imagery date: 3/16/2016

Google earth

60 ft



New Mexico Office of the State Engineer Wells with Well Log Information

UTMNAD83 Radius Search (in meters):

Easting (X): 273091.47

Northing (Y): 4077812.24

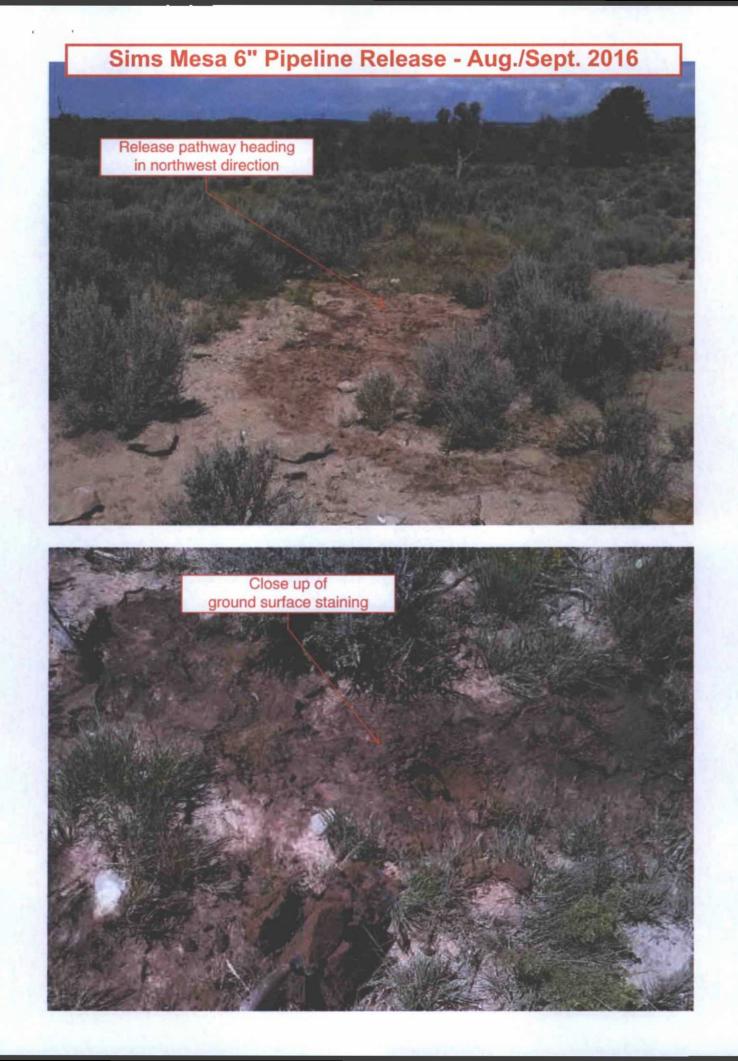
Radius: 304.8

No wells found.

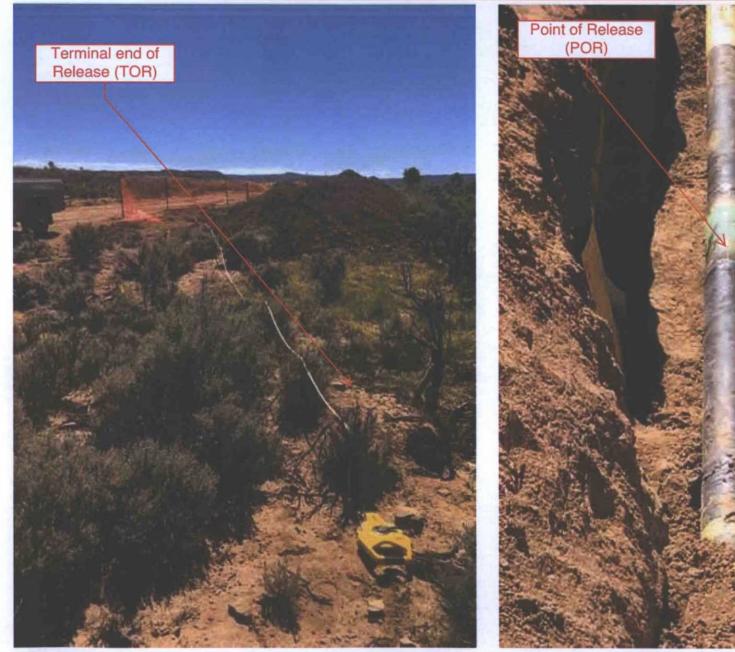
GPS coordinates: Latitude: 36 deg., 49 min., 8.35 sec. North x Longitude: 107 deg., 32 min., 38.27 sec. West

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

9/15/16 2:59 PM



Sims Mesa 6" Pipeline Release - Aug./Sept. 2016





Hall Environmental Analysis	Labora	atory, Iı	nc.			Lab Order 1608F99 Date Reported: 9/1/2010	5
CLIENT:Blagg EngineeringProject:Sims Mesa 6" Pipeline ReleaseLab ID:1608F99-001	Matrix:	MEOH (S		Collection	Date: 8/2	C @ G.S. (Impact path 5/2016 1:00:00 PM 7/2016 11:25:00 AM)
Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS Chloride	ND	30		mg/Kg	20	Analyst: 8/30/2016 12:16:37 AM	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANIC	S				Analyst	том
Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP	9000 36000 0	990 5000 70-130		mg/Kg mg/Kg %Rec	100	8/30/2016 10:53:47 AM 8/30/2016 10:53:47 AM 8/30/2016 10:53:47 AM	27220
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	NSB
Gasoline Range Organics (GRO) Surr: BFB	68 388	6.5 68.3-144		mg/Kg %Rec	1 1	8/29/2016 11:57:20 AM 8/29/2016 11:57:20 AM	100000000000000000000000000000000000000
EPA METHOD 8021B: VOLATILES						Analyst:	NSB
Benzene Toluene Ethylbenzene	ND ND ND	0.032 0.065 0.065		mg/Kg mg/Kg mg/Kg	1 1 1	8/29/2016 11:57:20 AM 8/29/2016 11:57:20 AM 8/29/2016 11:57:20 AM	27186
Xylenes, Total Surr: 4-Bromofluorobenzene	ND 119	0.13 80-120		mg/Kg %Rec	1	8/29/2016 11:57:20 AM 8/29/2016 11:57:20 AM	27186

Total TPH = 45,068 mg/Kg

EXCAVATED

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

Qualifiers: * Value exceeds Maximum Contaminant Level.

- Sample Diluted Due to Matrix D
- 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
- В Analyte detected in the associated Method Blank
- Value above quantitation range Е
- Analyte detected below quantitation limits Page 1 of 6 J
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Analytical Report Lab Order 1608F99

CLIENT:Blagg EngineeringProject:Sims Mesa 6" Pipeline ReleaseLab ID:1608F99-002	Matrix:	MEOH (S		Collection]	Date: 8/2	C @ 0.3'-0.5' (beneath 25/2016 1:15:00 PM 27/2016 11:25:00 AM	impact
Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS		2.5				Analyst:	MRA
Chloride	ND	30		mg/Kg	20	8/30/2016 12:29:01 AM	27234
EPA METHOD 8015M/D: DIESEL RANGE	ORGANIC	S				Analyst:	том
Diesel Range Organics (DRO)	1600	100		mg/Kg	10	8/31/2016 12:08:37 PM	27220
Motor Oil Range Organics (MRO)	3500	500		mg/Kg	10	8/31/2016 12:08:37 PM	27220
Surr: DNOP	0	70-130	S	%Rec	10	8/31/2016 12:08:37 PM	27220
EPA METHOD 8015D: GASOLINE RANG	E					Analyst:	NSB
Gasoline Range Organics (GRO)	58	5.6		mg/Kg	1	8/29/2016 12:20:45 PM	G3682
Surr: BFB	380	68.3-144	S	%Rec	1	8/29/2016 12:20:45 PM	G3682
EPA METHOD 8021B: VOLATILES						Analyst:	NSB
Benzene	ND	0.028		mg/Kg	1	8/29/2016 12:20:45 PM	27186
Toluene	ND	0.056		mg/Kg	1	8/29/2016 12:20:45 PM	27186
Ethylbenzene	ND	0.056		mg/Kg	1	8/29/2016 12:20:45 PM	27186
Xylenes, Total	ND	0.11		mg/Kg	1	8/29/2016 12:20:45 PM	27186
Surr: 4-Bromofluorobenzene	120	80-120	S	%Rec	1	8/29/2016 12:20:45 PM	27186

Total TPH = 5,158 mg/Kg

EXCAVATED

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

Qualifiers:

*

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix D
- 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 S
- Analyte detected in the associated Method Blank В
- E Value above quantitation range
- Analyte detected below quantitation limits Page 2 of 6 J

Analytical Report Lab Order 1608F99

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

Analytical Report	
Lab Order 1609432	

Date Reported: 9/13/2016

Hall Environmental Analysis Laboratory, Inc.

 CLIENT: Blagg Engineering

 Project:
 SIMS MESA 6" PIPELINE RELEASE

 Lab ID:
 1609432-001

 Matrix:
 MEOH (SOIL)

Client Sample ID: 1 @ 6.5' (POR) Collection Date: 9/8/2016 11:20:00 AM

OIL) Received Date: 9/9/2016 7:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	LGT
Chloride	44	30		mg/Kg	20	9/9/2016 10:19:40 AM	27414
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANIC	S				Analyst	TOM
Diesel Range Organics (DRO)	8800	980		mg/Kg	100	9/9/2016 12:46:46 PM	27417
Motor Oil Range Organics (MRO)	23000	4900		mg/Kg	100	9/9/2016 12:46:46 PM	27417
Surr: DNOP	0	70-130	S	%Rec	100	9/9/2016 12:46:46 PM	27417
EPA METHOD 8015D: GASOLINE RA	ANGE					Analyst	RAA
Gasoline Range Organics (GRO)	560	24		mg/Kg	5	9/9/2016 10:22:28 AM	R37093
Surr: BFB	463	68.3-144	S	%Rec	5	9/9/2016 10:22:28 AM	R37093
EPA METHOD 8021B: VOLATILES						Analyst:	RAA
Benzene	0.21	0.12		mg/Kg	5	9/9/2016 10:22:28 AM	B37093
Toluene	6.7	0.24		mg/Kg	5	9/9/2016 10:22:28 AM	B37093
Ethylbenzene	2.5	0.24		mg/Kg	5	9/9/2016 10:22:28 AM	B37093
Xylenes, Total	34	0.49		mg/Kg	5	9/9/2016 10:22:28 AM	B37093
Surr: 4-Bromofluorobenzene	146	80-120	S	%Rec	5	9/9/2016 10:22:28 AM	B37093

Total TPH = 32,360 mg/Kg

EXCAVATED

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 7
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Anal	ysis Labora	tory, Inc.			Lab Order 1609432 Date Reported: 9/13/20	16
CLIENT: Blagg Engineering Project: SIMS MESA 6" PIPELINI Lab ID: 1609432-002		MEOH (SOIL)		Date: 9/8	@ 1' (TOR) 3/2016 11:30:00 AM 9/2016 7:30:00 AM	
Analyses	Result	PQL Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	LGT
Chloride	ND	30	mg/Kg	20	9/9/2016 10:32:05 AM	27414
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANIC	S			Analyst	TOM
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	9/9/2016 11:42:11 AM	27417
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	9/9/2016 11:42:11 AM	27417
Surr: DNOP	105	70-130	%Rec	1	9/9/2016 11:42:11 AM	27417
EPA METHOD 8015D: GASOLINE R	ANGE				Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.2	mg/Kg	1	9/9/2016 10:45:57 AM	R37093
Surr: BFB	88.7	68.3-144	%Rec	1	9/9/2016 10:45:57 AM	R37093
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.021	mg/Kg	1	9/9/2016 10:45:57 AM	B37093
Toluene	ND	0.042	mg/Kg	1	9/9/2016 10:45:57 AM	B37093
Ethylbenzene	ND	0.042	mg/Kg	1	9/9/2016 10:45:57 AM	B37093
Xylenes, Total	ND	0.084	mg/Kg	1	9/9/2016 10:45:57 AM	B37093
Surr: 4-Bromofluorobenzene	104	80-120	%Rec	1	9/9/2016 10:45:57 AM	B37093

Analytical Report

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 exceeded	J	Analyte detected below quantitation limits Page 2 of 7
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analys	sis Labora	atory, Inc.			Date Reported: 9/13/20	16
CLIENT: Blagg Engineering Project: SIMS MESA 6" PIPELINE			Collection	Date: 9/8	C @ 1' (beneath impac 3/2016 11:45:00 AM	t path)
Lab ID: 1609432-003	Matrix:	MEOH (SOIL)	Received	Date: 9/9	0/2016 7:30:00 AM	
Analyses	Result	PQL Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	LGT
Chloride	ND	30	mg/Kg	20	9/9/2016 10:44:30 AM	27414
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANIC	S			Analyst	TOM
Diesel Range Organics (DRO)	70	9.8	mg/Kg	1	9/9/2016 12:03:38 PM	27417
Motor Oil Range Organics (MRO)	330	49	mg/Kg	1	9/9/2016 12:03:38 PM	27417
Surr: DNOP	110	70-130	%Rec	1	9/9/2016 12:03:38 PM	27417
EPA METHOD 8015D: GASOLINE RAI	NGE				Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.2	mg/Kg	1	9/9/2016 11:09:24 AM	R37093
Surr: BFB	88.1	68.3-144	%Rec	1	9/9/2016 11:09:24 AM	R37093
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.021	mg/Kg	1	9/9/2016 11:09:24 AM	B37093
Toluene	ND	0.042	mg/Kg	1	9/9/2016 11:09:24 AM	B37093
Ethylbenzene	ND	0.042	mg/Kg	1	9/9/2016 11:09:24 AM	B37093
Xylenes, Total	ND	0.084	mg/Kg	1	9/9/2016 11:09:24 AM	B37093
Surr: 4-Bromofluorobenzene	105	80-120	%Rec	1	9/9/2016 11:09:24 AM	B37093

Total TPH = 400 mg/Kg

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

Qualifiers:

* Value exceeds Maximum Contaminant Level.

- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

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 7
- P Sample pH Not In Range
- RL Reporting Detection Limit

W Sample container temperature is out of limit as specified

Analytical Report Lab Order 1609432 Date Reported: 9/13/2016

Hall Environmental Analysis	Labora	tory, In	ıc.			Lab Order 1609593 Date Reported: 9/14/20	16
CLIENT:Blagg EngineeringProject:Sims Mesa 6" Pipeline ReleaseLab ID:1609593-001	Matrix:	MEOH (S		Collection	Date: 9/1	C-SW (East) @ 2'-4'-6 2/2016 12:00:00 PM 3/2016 8:15:00 AM	
Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	LGT
Chloride	ND	30		mg/Kg	20	9/13/2016 11:00:03 AM	27462
EPA METHOD 8015M/D: DIESEL RANGE	ORGANIC	S				Analyst	том
Diesel Range Organics (DRO)	560	100		mg/Kg	10	9/13/2016 12:53:02 PM	27460
Motor Oil Range Organics (MRO)	1900	500		mg/Kg	10	9/13/2016 12:53:02 PM	27460
Surr: DNOP	0	70-130	S	%Rec	10	9/13/2016 12:53:02 PM	27460
EPA METHOD 8015D: GASOLINE RANG	E					Analyst	RAA
Gasoline Range Organics (GRO)	21	5.5		mg/Kg	1	9/13/2016 10:06:15 AM	27448
Surr: BFB	174	68.3-144	S	%Rec	1	9/13/2016 10:06:15 AM	27448
EPA METHOD 8021B: VOLATILES						Analyst	RAA
Benzene	ND	0.028		mg/Kg	1	9/13/2016 10:06:15 AM	27448
Toluene	ND	0.055		mg/Kg	1	9/13/2016 10:06:15 AM	27448
Ethylbenzene	ND	0.055		mg/Kg	1	9/13/2016 10:06:15 AM	27448
Xylenes, Total	0.23	0.11		mg/Kg	1	9/13/2016 10:06:15 AM	27448
Surr: 4-Bromofluorobenzene	118	80-120		%Rec	1	9/13/2016 10:06:15 AM	27448

Analytical Report

Total TPH = 2,481 mg/Kg

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
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 1 of 7
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis	Labora	atory, Inc.			Lab Order 1609593 Date Reported: 9/14/201	16
CLIENT:Blagg EngineeringProject:Sims Mesa 6" Pipeline ReleaseLab ID:1609593-002	Matrix:	MEOH (SOIL)	Collection	Date: 9/1	C-SW (West) @ 2'-4'-(2/2016 12:05:00 PM 3/2016 8:15:00 AM	5'
Analyses	Result	PQL Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	LGT
Chloride	260	30	mg/Kg	20	9/13/2016 11:12:28 AM	27462
EPA METHOD 8015M/D: DIESEL RANGE	ORGANIC	S			Analyst	TOM
Diesel Range Organics (DRO)	22	9.8	mg/Kg	1	9/13/2016 11:04:17 AM	27460
Motor Oil Range Organics (MRO)	95	49	mg/Kg	1	9/13/2016 11:04:17 AM	27460
Surr: DNOP	111	70-130	%Rec	1	9/13/2016 11:04:17 AM	27460
EPA METHOD 8015D: GASOLINE RANG	E				Analyst:	RAA
Gasoline Range Organics (GRO)	ND	4.1	mg/Kg	1	9/13/2016 10:29:44 AM	27448
Surr: BFB	91.0	68.3-144	%Rec	1	9/13/2016 10:29:44 AM	27448
EPA METHOD 8021B: VOLATILES					Analyst:	RAA
Benzene	ND	0.020	mg/Kg	1	9/13/2016 10:29:44 AM	27448
Toluene	ND	0.041	mg/Kg	1	9/13/2016 10:29:44 AM	27448
Ethylbenzene	ND	0.041	mg/Kg	1	9/13/2016 10:29:44 AM	27448
Xylenes, Total	ND	0.081	mg/Kg	1	9/13/2016 10:29:44 AM	27448
Surr: 4-Bromofluorobenzene	111	80-120	%Rec	1	9/13/2016 10:29:44 AM	27448

Total TPH = 281 mg/Kg

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 asso
	D	Sample Diluted Due to Matrix	E	Value above quantitation ra
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below qua
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

- S % Recovery outside of range due to dilution or matrix
- sociated Method Blank
- range
- antitation limits Page 2 of 7
- RL Ker
- W Sample container temperature is out of limit as specified

Analytical Report Lab Order 1609593

Hall Environmental Analysis	Labora	atory, Ir	1 c .			Lab Order 1609593 Date Reported: 9/14/20	16
CLIENT: Blagg EngineeringProject: Sims Mesa 6" Pipeline ReleaseLab ID: 1609593-003	Matrix:	MEOH (S		Collection	Date: 9/1	PC trench @ 6' 2/2016 12:10:00 PM 3/2016 8:15:00 AM	
Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	LGT
Chloride	170	30		mg/Kg	20	9/13/2016 11:24:52 AM	27462
EPA METHOD 8015M/D: DIESEL RANGE	ORGANIC	S				Analyst	TOM
Diesel Range Organics (DRO)	260	98		mg/Kg	10	9/13/2016 10:20:49 AM	27460
Motor Oil Range Organics (MRO)	1300	490		mg/Kg	10	9/13/2016 10:20:49 AM	27460
Surr: DNOP	0	70-130	S	%Rec	10	9/13/2016 10:20:49 AM	27460
EPA METHOD 8015D: GASOLINE RANG	E					Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.2		mg/Kg	1	9/13/2016 10:53:13 AM	27448
Surr: BFB	92.8	68.3-144		%Rec	1	9/13/2016 10:53:13 AM	27448
EPA METHOD 8021B: VOLATILES						Analyst	RAA
Benzene	ND	0.021		mg/Kg	1	9/13/2016 10:53:13 AM	27448
Toluene	ND	0.042		mg/Kg	1	9/13/2016 10:53:13 AM	27448
Ethylbenzene	ND	0.042		mg/Kg	1	9/13/2016 10:53:13 AM	27448
Xylenes, Total	ND	0.084		mg/Kg	1	9/13/2016 10:53:13 AM	27448
Surr: 4-Bromofluorobenzene	110	80-120		%Rec	1	9/13/2016 10:53:13 AM	27448

Total TPH = 1,730 mg/Kg

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- 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 7
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Analytical Report Lab Order 1609593

	nain-o	of-Cus	tody Record	lurn-Around	ime:	24				H	A	LL	E	NV	IF	20	N	4E	NT	A		
ent:	BLAG	G ENGR.	/ BP AMERICA	Standard	Rush_	HR.				A	N	AL	YS	SIS	5 L	A	BO	R/	ATC	R	Y	
			a fail the start	Project Name		The second second second					www	w.ha	ller	viro	nme	enta	l.cor	n				
ailing Ad	ddress:	P.O. BO	X 87	SIMS ME	SA 6" PIPEL	INE RELEASE		490	01 H	awk	ins l	NE -	All	ouqu	uerq	ue,	NM	8710)9			
		BLOOM	FIELD, NM 87413	Project #:				Те	1. 50	5-34	15-3	975	1	Fax	505	-345	-410)7				
ione #:		(505) 63	2-1199									A	naly	/sis	Red	que	st					
nail or F	ax#:			Project Manag	ger:									(4)				300.1)			T	
VQC Par Standa			Level 4 (Full Validation)		NELSON VI	ELEZ	-MB ¹ s (8021B)	s only)	/ MRO)			(S)		PO4,SO	2 PCB's			water - 30			e	
creditat	tion:			Sampler:	NELSON VI	ELEZ nr	SH8	(Ga	SBO	1)	1	USIN		VO2,	808			~			sample	
NELAP	>	□ Other		On Ice:	Z Yes	C No		TPH	10	418	504	8270SIMS)	s	103,1	es /		(YO	300.0			te sa	or N)
EDD (1	Type)	,	6-91149	Sample Temp	erature: 📿	8	4	BE +	(GR	pou	pou	or	etal	CI,N	icide	(A)	1-V			ble	oosi	s (Y
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEALNO 1008F99	BTEX + MTBE	BTEX + MTBE + TPH (Gas only)	TPH 80158 (GRO / DRO	TPH (Method 418.1)	EDB (Method 504.1)	PAH (8310 or	RCRA 8 Metals	Anions (F,Cl,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Chloride (soil		Grab sample	5 pt. composite	Air Bubbles (Y or N)
/25/16	1300	SOIL	5PC @ G.S.	4 oz 1	Cool	-001	V		V									V			V	
	1		(impact path)																			
8/25/16	1315	SOIL	5PC @ 0.3' - 0.5'	4 oz 1	Cool	-002	V		V		-							V		+	V	
			(beneath impact path)	*								_									-	
											-		-	-	-		-	_		-	-	
								-	_						-		-	-		+	-	-
xte: Z6/16	Time:	Relinquishe	In J	Received by:	- 00/75	Date Time	Rem	narks		CORR	ESPO	NDIN	IG VI	8 RI	EFERE	NCE #	WHE	N APP	CT WITH	LE;		
ate:	Time:	Relinquishe	ed by:	Received by	200101	Date Time	Refe	eren	VID: ce #		IIXO			5	eve AOSE		8		ohn Ri DRINK			

if necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Client:	And in case of the local division of the loc		/ BP AMERICA	Turn-Around		SAME DAY				A		LY	SI	5 1	A	30	RA	TO		,
Mailing A	ddress:	P.O. BO	X 87	SIMS ME	SA 6" PIPEL	INE RELEASE		490)1 Ha								87109	,		
		BLOOM	FIELD, NM 87413	Project #:			1	Te	. 505	5-345	-3975	5	Fax	505	-345	-410)7			
Phone #:		(505) 63	2-1199	1							4	Anal	ysis	Re	ques	st				
email or l	ax#:			Project Mana	ger:								4)				300.1)			
QAVQC Pa			Level 4 (Full Validation)		NELSON V	ELEZ	(8021B)	+ TPH (Gas only)	/ MRO)		1S)		PO4,SO	PCB's					e	
Accredita	tion:			Sampler:	NELSON V	ELEZ ny	S-B-E	(Ga	S	F	NISC		102,	8082			/ wa		du	
	and the second se	Other		and the second sec	AVes	where the second s	ł	H	5	418	827(03,	se / se		(YC	300.0		e sa	N)
	Type)		THE REAL PROPERTY LAND	Sample Temp	erature:	9	4	BE +	(GR	por	or loa	etal	CI,N	icide	(A)	i-V0		ele	posit	N
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEALNO 1009143	BTEX +M	BTEX + MTBE -	TPH 8015B (GRO / DRO /	TPH (Method 418.1)	PAH (8310 or 82705IMS)	RCRA 8 Metals	Anions (F,Cl,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Chloride (soll - 300.0 / water	Grab sample	3 pt. composite sample	Air Bubbles (Y or N)
9/8/16	1120	SOIL	1@6.5'(POR)	4 oz 1	Cool	-001	V		V								٧	V	_	
9/8/16	1130	SOIL	2 @ 1' (TOR)	4 oz 1	Cool	-002	V		V	+							V	V	-	
9/8/16	1145	SOIL	3PC @ 1'	4 oz 1	Cool	-003	V		V	-	-						V	-	V	
			(beneath impact path)						-	+								+		F
									-	+	+							+	-	
																			-	
Date: 9/8/16 Date:	Time: 1960 Time:	Relinquiste	InVf	Received by:	- Vat	Date Time 9/8/16 1950 Date Time	Ren	harks		Van		NG VI	St	EFERE		WHE	Joh	WITH ICABLE: In Ritch	hie	
9/8/14	2100	LA salanide out	Mut that any base	beentractient to other	2 09/	08/10 072		erenc	e #				-			_	_		_	

lient:	BLAG	- X 64 -	/ BP AMERICA	Tum-Around		SAME DAY				1	IN	AL	Y	SIS	S L	A		R/	NT			
failing A	ddress:	P.O. BO	State - Property and state		SA 6" PIPEL	INE RELEASE		49	01 H	law	cins	NE	- All	buq	uerq	ue,	NM	8710	19			
		BLOOM	FIELD, NM 87413	Project #:			-	Te	1.50	15-3	45-3	975	-		1.1.1		-410	07	-			
hone #:		(505) 63	2-1199									م م	nal	ysis	Ree	que	st					
mail or F	ax#			Project Mana	ger:				_		-			14)				300.1				
A/QC Pa] Stand			Level 4 (Full Validation)		NELSON VI	ELEZ	80218)	[Vino s	/ MRO		1	15)		PO4,5C	2 PCB's			water-30			e	
ccredital	tion:			Sampler:	NELSON VE	ELEZ nr	- F	(Ga	ORO	T	1)	OSIA		VO2	808						du	
NELAP	2	D Other		On Ice:)Ø Yes	E No	Ŧ	TPH	1/0	418	504	827(03.1	15		A)	300.0		1	e 53	L N
EDD (Type)			Sample Temp	erature: 3-3		1	3E +	(GR	bod	pol	or	etal	CI'N	cide	V	1-VC	011-3		÷	USO	N
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX +-MH	BTEX + MTBE + TPH (Gas only)	TPH 80158 (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH (8310 or 82705IMS)	RCRA 8 Metals	Anions (F,Cl,NO3,NO2,PO4,SO4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Chloride (soil-	1	toran sample	3 pt. composite sample	Air Bubbles (Y or N)
1/12/16	1200	SOIL	3PC - SW (east) @ 2'-4'-6'	4 02 1	Cool	-001	٧	-	V								1	V	-		V	
0/12/16	1205	SOIL	3PC - SW (west) @ 2'-4'-6'	4021	Cool	-002	V		V									v	-		V	
)/12/16	1210	SOIL	3PC-trench @ 6'	4 oz 1	Cool	-003	٧		٧			-						v		+	V	_
																					-	
												1									-	
	1						-					-				-	-	-	-	+	+	_
10/12/16 ates 12/16	Time: 1535 Time: 1848	Relinquish	half	Received by: Received by: Amdigut	tullate	Date Time 9/12/12 1535 Date Time 13/16 0815		eren	VID:	COR	ance	1.000	NG VII	St	EFERE		kal	N APP	hn Rit	E		

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited faboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Hall Environmental Analysis Laboratory, Inc.

WO#: 1608F99

01-Sep-16

Client: Project:	00	Engineering ⁄Iesa 6" Pipeline Release				
Sample ID Client ID: Prep Date: Analyte	MB-27234 PBS 8/29/2016	SampType: mblk Batch ID: 27234 Analysis Date: 8/29/2016 Result PQL SPK value	TestCode: EPA Method RunNo: 36848 SeqNo: 1142299 SPK Ref Val %REC LowLimit	300.0: Anions Units: mg/Kg HighLimit %RPD	RPDLimit	Qual
Chloride		ND 1.5	or render var anneb ebnemme	right int	TH Dunn	addi
Sample ID Client ID: Prep Date:	LCS-27234 LCSS 8/29/2016	SampType: Ics Batch ID: 27234 Analysis Date: 8/29/2016	TestCode: EPA Method RunNo: 36848 SeqNo: 1142300	300.0: Anions Units: mg/Kg		
Analyte		Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit	Qual
Chloride		14 1.5 15.00	0 94.6 90	110		

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- 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
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Page 3 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#: 1608F99

01-Sep-16

	Engineering esa 6" Pipe	line Rel	ease							
Sample ID LCS-27220 Client ID: LCSS Prep Date: 8/29/2016		Type: LC h ID: 27 Date: 8/		F	tCode: E RunNo: 3 SeqNo: 1	6852	8015M/D: Di Units: mg/P		e Organics	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO) Surr: DNOP	45 4.3	10	50.00 5.000	0	90.4 86.1	62.6 70	124 130			
Sample ID MB-27220 Client ID: PBS		ype: MI h ID: 27			tCode: El RunNo: 3		8015M/D: Di	esel Rang	e Organics	
Prep Date: 8/29/2016	Analysis D	Date: 8/	30/2016	5	SeqNo: 1	142473	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								110
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		110	70	130			

- * 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
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified
- Page 4 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#: 1608F99

01-Sep-16

00	ngineering sa 6" Pipelir	ne Rele	ase							
Sample ID MB-27186	SampTy	pe: MB	LK	Tes	tCode: E	PA Method	8015D: Gase	oline Rang	e	
Client ID: PBS	Batch I	ID: 271	86	F	RunNo: 3	6828				
Prep Date: 8/26/2016	Analysis Da	te: 8/2	9/2016	5	SeqNo: 1	141862	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO) Surr: BFB	ND 850	5.0	1000		84.6	68.3	144			
Sample ID LCS-27186	SampTy	pe: LCS	6	Tes	tCode: El	PA Method	8015D: Gase	oline Rang	e	
Client ID: LCSS	Batch I	D: 271	86	F	RunNo: 3	6828				
Prep Date: 8/26/2016	Analysis Dat	te: 8/2	9/2016	5	SeqNo: 1	141863	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	89.4	80	120			
Surr: BFB	910		1000	1.1	90.7	68.3	144		Charles I.	the Co
Sample ID B25	SampTyp	be: MB	LK	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID: PBS	Batch I	D: G36	828	F	RunNo: 3	6828				
Prep Date:	Analysis Dat	te: 8/2	9/2016	5	SeqNo: 1	141885	Units: mg/k	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO) Surr: BFB	ND 860	5.0	1000		85.7	68.3	144			6
Sample ID 2.5UG GRO LCS	SampTyp	be: LCS	3	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	1
Client ID: LCSS	Batch I	D: G36	828	F	RunNo: 3	6828				
Prep Date:	Analysis Dat	te: 8/2	9/2016	5	SeqNo: 1	141886	Units: mg/k	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sasoline Range Organics (GRO)	25	5.0	25.00	0	100	80	120			666.6
Surr: BFB	940		1000		94.0	68.3	144			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- 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
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Page 5 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#: 1608F99

Page 6 of 6

01-Sep-16

	Engineering Iesa 6" Pipe	line Rel	ease							
Sample ID MB-27186	Samp	Гуре: МВ	BLK	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID: PBS	Batc	h ID: 27	186	F	RunNo: 3	6828				
Prep Date: 8/26/2016	Analysis [Date: 8/	29/2016	S	SeqNo: 1	141891	Units: mg/h	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		102	80	120			_
Sample ID LCS-27186	Samp	Type: LC	S	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Batc	h ID: 27	186	F	unNo: 3	6828				
Prep Date: 8/26/2016	Analysis [Date: 8/	29/2016	S	eqNo: 1	141892	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.025	1.000	0	89.0	75.3	123			
Foluene	0.90	0.050	1.000	0	90.0	80	124			
Ethylbenzene	0.92	0.050	1.000	0	92.2	82.8	121			
Xylenes, Total	2.8	0.10	3.000	0	92.5	83.9	122			
Surr: 4-Bromofluorobenzene	1.1		1.000		107	80	120			

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY	TEL	Environmen : 505-345-3 Vebsite: www	4901 Albuquerque 975 FAX: 50	Hawkin , NM 8 15-345-	as NE 7109 4107	Sam	ple Log-In Ch	neck List
Client Name: BLAGG	Work	Order Numi	ber; 1608F	99			RcptNo:	1
Received by/date:	0	8/2-	1/10					
Logged By: Ashley Gallegos	8/27/201	6 11:25:00	AM		A	7		
Completed By: Ashley Gallegos	8/29/201	6 8:39:02	MA		A	R		12
Reviewed By: AC 08/29/16						0		
Chain of Custody								
1. Custody seals intact on sample bottles?			Yes		No		Not Present 🗹	
2. Is Chain of Custody complete?			Yes	~	No		Not Present	
3. How was the sample delivered?			Couri	ar				
Log In								
4. Was an attempt made to cool the samples	2		Yes	~	N	•		
			100					
5. Were all samples received at a temperatur	e of >0° C	to 6.0°C	Yes	~	No		NA 🗆	
6. Sample(s) in proper container(s)?			Yes	~	No	•		
7. Sufficient sample volume for indicated test	(s)?		Yes	~	No			
8. Are samples (except VOA and ONG) prope	rly preserv	ed?	Yes	v	No			
9. Was preservative added to bottles?			Yes		No		NA 🗌	
0.VOA vials have zero headspace?			Yes		No		No VOA Vials	
1. Were any sample containers received brok	en?		Yes		No	•	# of preserved	
12. Does paperwork match bottle labels?			Yes	~	No		bottles checked for pH:	
(Note discrepancies on chain of custody)			100					>12 unless noted
3. Are matrices correctly identified on Chain o	f Custody?			~	No		Adjusted?	
4. Is it clear what analyses were requested?5. Were all holding times able to be met?				~	No	_	Checked by:	
(If no, notify customer for authorization.)			Yes	•	NO			
pecial Handling (if applicable)								
6. Was client notified of all discrepancies with	this order?		Yes		No		NA 🗹	
Person Notified:		Date				_		
By Whom:		Via:	eMai		Phone	Fax	In Person	
Regarding:						ALANCE AND A		
Client Instructions:								
17. Additional remarks:								
8. Cooler Information								
Cooler No Temp °C Condition S 1 2.8 Good Ye	eal Intact	Seal No	Seal Dat	e	Signed	Ву		1
0000 10	-	ų		1				1

Hall Environmental Analysis Laboratory, Inc.

WO#: 1609432

Qual

13-Sep-16

Client: Project:	00	Engineering MESA 6" PII	PELIN	E RELEAS	Е					
Sample ID	MB-27414	SampT	ype: MI	BLK	Tes	tCode: El	PA Method	300.0: Anion	S	
Client ID:	PBS	Batch	ID: 27	414	F	RunNo: 3	7114			
Prep Date:	9/8/2016	Analysis D	ate: 9	/9/2016	S	SeqNo: 1	150727	Units: mg/K	(g	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit
Chloride		ND	1.5			- C - C - C - C - C - C - C - C - C - C	Inches State			

Sample ID LCS-27414	SampT	ype: LC	S	Tes	tCode: E	PA Method	300.0: Anion	IS		
Client ID: LCSS	Batch	n ID: 27	414	F	RunNo: 3	7114				
Prep Date: 9/8/2016	Analysis D)ate: 9/	9/2016	S	SeqNo: 1	150729	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.7	90	110		1.1.1.1.1.1	

- * Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix D
- Η 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
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified
- Page 4 of 7

Hall Environmental Analysis Laboratory, Inc.

WO#: 1609432

13-Sep-16

Client: **Blagg Engineering Project:** SIMS MESA 6" PIPELINE RELEASE

Sample ID LCS-27417	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015M/D: Di	esel Range	e Organics	
Client ID: LCSS	Batch	D: 27	417	F	RunNo: 3	7089				
Prep Date: 9/9/2016	Analysis D	ate: 9/	9/2016	S	SeqNo: 1	149948	Units: mg/H	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	93.0	62.6	124			
Surr: DNOP	5.1		5.000		102	70	130			
Sample ID MB-27417	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Di	esel Range	Organics	
Client ID: PBS	Batch	ID: 27	417	F	RunNo: 3	7089				
Client ID: PBS Prep Date: 9/9/2016	Batch Analysis D		417 9/2016		RunNo: 3 SeqNo: 1		Units: mg/K	g		
			9/2016				Units: mg/K HighLimit	g %RPD	RPDLimit	Qual
Prep Date: 9/9/2016 Analyte	Analysis D	ate: 9/	9/2016	S	SeqNo: 1	149949			RPDLimit	Qual
Prep Date: 9/9/2016	Analysis D Result	ate: 9/	9/2016	S	SeqNo: 1	149949			RPDLimit	Qual

Qualifiers:

- ٠ 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
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Page 5 of 7

Р Sample pH Not In Range

Hall Environmental Analysis Laboratory, Inc.

WO#: 1609432

13-Sep-16

Client: **Blagg** Engineering SIMS MESA 6" PIPELINE RELEASE **Project:**

Sample ID 2.5UG GRO LCS	S SampTy	pe: LC	S	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	е	
Client ID: LCSS	Batch	ID: R3	7093	F	RunNo: 3	7093				
Prep Date:	Analysis Da	te: 9/	9/2016	S	SeqNo: 1	150664	Units: mg/H	(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	90.6	80	120			
Surr: BFB	990	_	1000		98.9	68.3	144			
Sample ID RB	SampTy	pe: MB	BLK	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID: PBS	Batch	D: R3	7093	F	RunNo: 3	7093				
Prep Date:	Analysis Da	te: 9/	9/2016	s	SeqNo: 1	150665	Units: mg/H	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	900		1000		89.7	68.3	144			
Sample ID 1609432-003A N	IS SampTy	pe: MS	1	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	е	
Client ID: 3PC @ 1' (bene	ath i Batch I	D: R3	7093	R	unNo: 3	7093				
Prep Date:	Analysis Da	te: 9/9	9/2016	S	eqNo: 1	150668	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	4.2	21.01	0	99.9	59.3	143			
Surr: BFB	810	_	840.3		96.6	68.3	144		_	
Sample ID 1609432-003A M	ISD SampTy	pe: MS	D	Test	Code: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID: 3PC @ 1' (bene	ath i Batch I	D: R3	7093	R	unNo: 3	7093				
Prep Date:	Analysis Da	te: 9/9	9/2016	S	eqNo: 1	150669	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	4.2	21.01	0	98.1	59.3	143	1.78	20	

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- Sample Diluted Due to Matrix D
- Holding times for preparation or analysis exceeded H
- ND Not Detected at the Reporting Limit
- RPD outside accepted recovery limits R
- S % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank в
- E Value above quantitation range
- Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified
- Analyte detected below quantitation limits
- Page 6 of 7

J Р

Hall Environmental Analysis Laboratory, Inc.

Client: Blagg Engineering Project: SIMS MESA 6" PIPELINE RELEASE

Sample ID	100NG BTEX LCS	Samp	Type: LC	s	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID:	LCSS	Batc	h ID: B3	7093	F	RunNo: 3	7093				
Prep Date:		Analysis [Date: 9/	9/2016	5	SeqNo: 1	150672	Units: mg/k	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.95	0.025	1.000	0	94.6	75.3	123			
Toluene		0.96	0.050	1.000	0	95.8	80	124			
Ethylbenzene		0.98	0.050	1.000	0	98.2	82.8	121			
Xylenes, Total		2.9	0.10	3.000	0	97.9	83.9	122			
Surr: 4-Bromo	ofluorobenzene	1.2		1.000		116	80	120			
Sample ID	1609432-002A MS	Samp1	ype: MS	6	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID:	2 @ 1' (TOR)	Batcl	h ID: B3	7093	F	RunNo: 3	7093				
Prep Date:		Analysis D	Date: 9/	9/2016	5	SeqNo: 1	150676	Units: mg/H	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.78	0.021	0.8432	0	92.5	71.5	122			
Toluene		0.79	0.042	0.8432	0	93.2	71.2	123			
Ethylbenzene		0.81	0.042	0.8432	0	95.5	75.2	130			
Kylenes, Total		2.4	0.084	2.530	0	94.7	72.4	131			
Surr: 4-Bromo	fluorobenzene	0.93		0.8432		110	80	120			
Sample ID	1609432-002A MSI	D SampT	ype: MS	SD	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID:	2 @ 1' (TOR)	Batch	n ID: B3	7093	F	RunNo: 3	7093				
Prep Date:		Analysis D)ate: 9/	9/2016	5	SeqNo: 1	150677	Units: mg/M	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.81	0.021	0.8432	0	96.0	71.5	122	3.67	20	
Toluene		0.81	0.042	0.8432	0	96.1	71.2	123	3.04	20	
Ethylbenzene		0.81	0.042	0.8432	0	95.8	75.2	130	0.232	20	
Xylenes, Total		2.4	0.084	2.530	0	95.0	72.4	131	0.353	20	
Surr: 4-Bromo	fluorobenzene	0.94		0.8432		112	80	120	0	0	1.1
Sample ID	RB	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8021B: Volat	tiles		
	PBS	Batch	DID: B3	7093	F	RunNo: 3	7093				
Client ID: I		Analysis D	ate: 9/	9/2016	S	SeqNo: 1	150679	Units: mg/k	g		
Prep Date:			-	CDK uslus	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Prep Date:	150	Result	PQL	SPR value							
Prep Date: Analyte		Result ND	PQL 0.025	SPR value							
Prep Date: Analyte Benzene				SFK Value							
Prep Date: Analyte Benzene Foluene		ND	0.025	SPR Value							
Prep Date:		ND ND	0.025	SPR Value							

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- 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
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

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WO#: 1609432

13-Sep-16

ENVIRONMENTAL ANALYSIS LABORATORY TEL: 505-	Albı 345-3975	Analysis La 4901 Haw querque, NI FAX: 505-3 llenvironme	kins NE 4 87109 San 45-4107	nple Log-In Ch	eck List
Client Name: BLAGG Work Order	Number:	1609432		RcptNo: 1	
Received by/date: AG 09/08/	16				
Logged By: Lindsay Mangin 9/8/2016 7:30:	:00 AM		Julythe	Ø	
Completed By: Lindsay Mangin 9/9/2016 8:31:	43 AM		Antythe	Ø	
Reviewed By: HC 09/09/16			0.00		
Chain of Custody					
1. Custody seals intact on sample bottles?		Yes 🗌	No 🗌	Not Present	
2. Is Chain of Custody complete?		Yes 🗹	No 🗌	Not Present	
3. How was the sample delivered?		Courier			
Log in					
4. Was an attempt made to cool the samples?		Yes 🗸	No 🗌	NA	
5. Were all samples received at a temperature of >0° C to 6.0)°C	Yes 🗹	No 🗌	NA 🗌	
6. Sample(s) in proper container(s)?		Yes 🗹	No 🗌		
7. Sufficient sample volume for indicated test(s)?		Yes 🗹	No 🗌		
8. Are samples (except VOA and ONG) properly preserved?		Yes 🗹	No 🗌		
9. Was preservative added to bottles?		Yes 🗌	No 🗹	NA	
		Yes	No 🗌	No VOA Vials 🗹	
10.VOA vials have zero headspace? 11. Were any sample containers received broken?		Yes	No V		
11, were any sample containers received broken?		100	110 123	# of preserved bottles checked	
12. Does paperwork match bottle labels?		Yes 🗹	No 🗌	for pH:	
(Note discrepancies on chain of custody)				(<2 or Adjusted?	>12 unless note
13. Are matrices correctly identified on Chain of Custody?		Yes 🗹	No		
14. Is it clear what analyses were requested?		Yes ⊻ Yes ✓	No 🗌	Checked by:	
15. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes 🗹	NO	choata by:	
Special Handling (if applicable)					
16. Was client notified of all discrepancies with this order?		Yes 🗌	No 🗌	NA 🗹	
Person Notified: By Whom: Regarding:	Date Via: [eMail] Phone [] Fax	In Person	
Client Instructions:					
17. Additional remarks:					
18. Cooler Information					
Cooler No Temp ºC Condition Seal Intact Sea	No	Seal Date	Signed By		

Page 1 of 1

Hall Environmental Analysis Laboratory, Inc.

WO#: 1609593

14-Sep-16

Client: Project:		Engineering Mesa 6" Pipeline Release	
Sample ID Client ID:	MB-27462 PBS	SampType: MBLK Batch ID: 27462	TestCode: EPA Method 300.0: Anions RunNo: 37167
Prep Date: Analyte	9/13/2016		SeqNo: 1152914 Units: mg/Kg e SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Sample ID	LCS-27462	ND 1.5 SampType: LCS	TestCode: EPA Method 300.0: Anions
Client ID: Prep Date:		Batch ID: 27462 Analysis Date: 9/13/2016	RunNo: 37167 SeqNo: 1152915 Units: mg/Kg
Analyte		Result PQL SPK valu	e SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix D
- Η 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
- Value above quantitation range Е
- J Analyte detected below quantitation limits
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Page 4 of 7

Р Sample pH Not In Range

Hall Environmental Analysis Laboratory, Inc.

WO#: 1609593

Page 5 of 7

14-Sep-16

	Engineering Iesa 6" Pipeline Release	
Sample ID LCS-27460	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 27460	RunNo: 37139
Prep Date: 9/13/2016	Analysis Date: 9/13/2016	SeqNo: 1151802 Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qua
Diesel Range Organics (DRO)	46 10 50.00	0 92.2 62.6 124
Surr: DNOP	5.0 5.000	100 70 130
Sample ID MB-27460	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 27460	RunNo: 37139
Prep Date: 9/13/2016	Analysis Date: 9/13/2016	SeqNo: 1151803 Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qua
Diesel Range Organics (DRO)	ND 10	
Motor Oil Range Organics (MRO)	ND 50	
Surr: DNOP	11 10.00	107 70 130
Sample ID LCS-27445	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 27445	RunNo: 37139
Prep Date: 9/12/2016	Analysis Date: 9/13/2016	SeqNo: 1152405 Units: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qua
Surr: DNOP	5.1 5.000	102 70 130
Sample ID MB-27445	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 27445	RunNo: 37139
Prep Date: 9/12/2016	Analysis Date: 9/13/2016	SeqNo: 1152406 Units: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qua
Surr: DNOP	10 10.00	103 70 130

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

Hall Environmental Analysis Laboratory, Inc.

WO#: 1609593

14-Sep-16

ingineering esa 6" Pipeline Release		No.	
SampType: LCS	TestCode: EPA Method	8015D: Gasoline Range	
Batch ID: 27448	RunNo: 37145		
Analysis Date: 9/13/2016	SeqNo: 1152768	Units: mg/Kg	
Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPD	Limit Qual
26 5.0 25.0	0 105 80	120	
1000 100	99.8 68.3	144	
SampType: MBLK	TestCode: EPA Method	8015D: Gasoline Range	
Batch ID: 27448	RunNo: 37145		
Analysis Date: 9/13/2016	SeqNo: 1152769	Units: mg/Kg	
Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPD	Limit Qual
ND 5.0			
910 100	90.7 68.3	144	
	SampType: LCS Batch ID: 27448 Analysis Date: 9/13/2016 Result PQL SPK value 26 5.0 25.00 1000 1000 SampType: MBLK Batch ID: 27448 Analysis Date: 9/13/2016 Result PQL SPK value ND 5.0	SampType: LCS TestCode: EPA Method Batch ID: 27448 RunNo: 37145 Analysis Date: 9/13/2016 SeqNo: 1152768 Result PQL SPK value SPK Ref Val %REC LowLimit 26 5.0 25.00 0 105 80 1000 1000 99.8 68.3 SampType: MBLK TestCode: EPA Method Batch ID: 27448 RunNo: 37145 Analysis Date: 9/13/2016 SeqNo: 1152769 Result PQL SPK value SPK Ref Val %REC LowLimit ND 5.0 5.0 5.0 5.0 5.0 5.0 5.0	sampType: LCS TestCode: EPA Method 8015D: Gasoline Range Batch ID: 27448 RunNo: 37145 Analysis Date: 9/13/2016 SeqNo: 1152768 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPD 26 5.0 25.00 0 105 80 120 1000 1000 99.8 68.3 144 144 144 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Batch ID: 27448 RunNo: 37145 144

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- 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
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

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Hall Environmental Analysis Laboratory, Inc.

WO#: 1609593

14-Sep-16

Client:	Blagg Engineering
Project:	Sims Mesa 6" Pipeline Release

Sample ID LCS-27448 SampType: L			S	TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch ID: 27448 Analysis Date: 9/13/2016			RunNo: 37145						
Prep Date: 9/12/2016				SeqNo: 1152892			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	2.0	0.025	2.000	0	101	75.3	123			
Toluene	2.0	0.050	2.000	0	100	80	124			
Ethylbenzene	2.0	0.050	2.000	0	102	82.8	121			
Xylenes, Total	6.1	0.10	6.000	0	102	83.9	122			
Surr: 4-Bromofluorobenzene	1.2		1.000		116	80	120			
Sample ID MB-27448	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch ID: 27448			RunNo: 37145						
Prep Date: 9/12/2016	Analysis Date: 9/13/2016		SeqNo: 1152893			Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Kylenes, Total	ND	0.10								
							120			

- 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 ND
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank В
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified W
- Page 7 of 7

ENVIRONMENTAL ANALYSIS LABORATORY TEL 505-345-39	tai Auatysis Labori 4901 Hawkin Ilbuquerque, NM 8 175 FAX: 505-345- hallenviranmental	NE 7109 Sam	ple Log-In Ch	eck List	
Cilent Name: BLASG Work Order Numb	er 1609593	RcptNo: 1			
Received by/date. 09/13/11	<i>p</i>				
Logged By Ashley Gallegos 9/13/2016 6:15:00 A	M	545			
Completed By: Ashley Gallegos 9/13/2016 8:29:18 A	M	Ste			
Reviewed By: 1125 ()51316					
Chain of Custody					
1. Custody seals intact on sample bottles?	Yes D	No 🗐	Not Present		
2 Is Chain of Custody complete?	Yes 🗹	No T	Not Present		
3. How was the sample delivered?	Couller				
Log In					
4. Was an attempt made to cool the samples?	Yes 🗹	No 🖂	NA 🗔		
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes 🔽	No 🛄	NA 🛴		
6 Sample(s) in proper tontainer(s)?	Yes 🗹	No L			
7, Sufficient sample volume for indicated test(s)?	Yes Mi	No 🗌			
B. Are samples (except VOA and ONG) properly preserved?	Yes V	No 🗌			
9. Was preservative added to bottles?	Yes 🗋	No M	NA 🗌		
10. VOA vials have zero headspace?	Yes	No 🗍	No VOA Vials		
11, Were any sample containers received broken?	Yes	No V	# of preserved bottles checked		
12. Does paperwork match bottle labels?	Yes 🗹	No 🗌	for pH	17 unless noted)	
(Note discrepancies on chain of custody) 13. Are matrices correctly identified on Chain of Custody?	Yes V	No 🗆	Adjusted?	Comment toursely	
14, Is it clear what analyses ware requested?	Yes V	No 🗌			
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes 🗹	No 🗌	Checked by		
Special Handling (if applicable)					
16. Was client notified of all discrepancies with this order?	Yes	No 🗔	NA M		
Person Notified: Date	-				
By Whom: Via,	🗌 eMall 🔲 l	Phone 🔲 Fax	In Person		
Regarding:					
Client Instructions:					
17- Additional remarks					
18 <u>Cooler Information</u> Cooler No Temp °C Condition Seel Intact Sciel No	Seal Date	Signed By			
1 3.3 Good Yes					
Page 1 of 1				*****	