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

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.

							orrective A					
						OPERATOR ☐ Initial Report ☐ Final R						
Name of Co						Contact: Ste						
		Court, Farm	ington, N	M 87401			No.: 505-326-94					
Facility Na	ne: Floran	ce 058				Facility Type: Natural gas well						
Surface Ow	ner: Feder	al		Mineral	Owner:	Federal			API No	o. 3004511	652	
				LOC	ATIO	N OF REI	LEASE					
Unit Letter	Section	Township	Range	Feet from the	North	South Line	Feet from the		West Line	County: S	an Juan	
M	14	30N	09W	855	South		1,060	West				
		Latit	ude 36.	.80618°		_ Longitud	e107.7551°					
				NA	TURE	OF REL	EASE					
ype of Rele	ase: Unkno	wn hydrocarb	ons				Release: unknow	vn	Volume I	Recovered:	none	
Source of Release: Unknown; Suspected earthen pit				Date and H	lour of Occurrence	ce:	Date and	Hour of Di	scovery:	Novembe		
						unknown			29, 2016;	; 12:30 PM		
Was Immedi	ate Notice (Yes [No Not R	equired	If YES, To	Whom?					
By Whom?	Steve Mosk	al				Date and H	lour:					
Was a Water		ched?				If YES, Vo	lume Impacting	the Wa	tercourse.	OII CO	1810 -	
			Yes 🛚	No		If YES, Volume Impacting the Watercourse. OIL CONS. DIV DIST.						
f a Watercou	ırse was Im	pacted, Descr	ibe Fully.*	k						Λ1	IG 0 9	2047
							o for final reclam			e found. In	tial inve	stigation
ndicates the elease guide Describe Are	impacts to lines for rer	be related to a mediation via and Cleanup	former ea excavation Action Tak	rthen pit based on. ken.* The extents	n the app	ontamination	p for final reclam contents of the pi were fully deline icate no further as	t includ	ling fencing	e found. In	tial inve	stigation the spill a
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BP AMERICA PRODUCTION COMPANY

FLORANCE 058 - HISTORICAL RELEASE CLEANUP

API #: 30-045-20064 Legal Description: (Unit Letter M, Sec. 14 -T30N -R9W, NMPM)

CHRONOLOGICAL EVENT SUMMATION

November 30, 2016:

Soil and sandstone impacts discovered during removal of drip pot located at southern end of meter run (Figure 1 & 2). After a preliminary on-site assessment, excavation commenced using a trackhoe. Based on the site's below-grade tank permit and analyzing aerial & topographic maps, NMOCD's Spill & Release Guidelines would produce a ranking criteria of zero (0), or soil Total Petroleum Hydrocarbon closure standard of 5,000 mg/Kg. NMOCD's District III verbally concurred with this classification.

December 2, 2013:

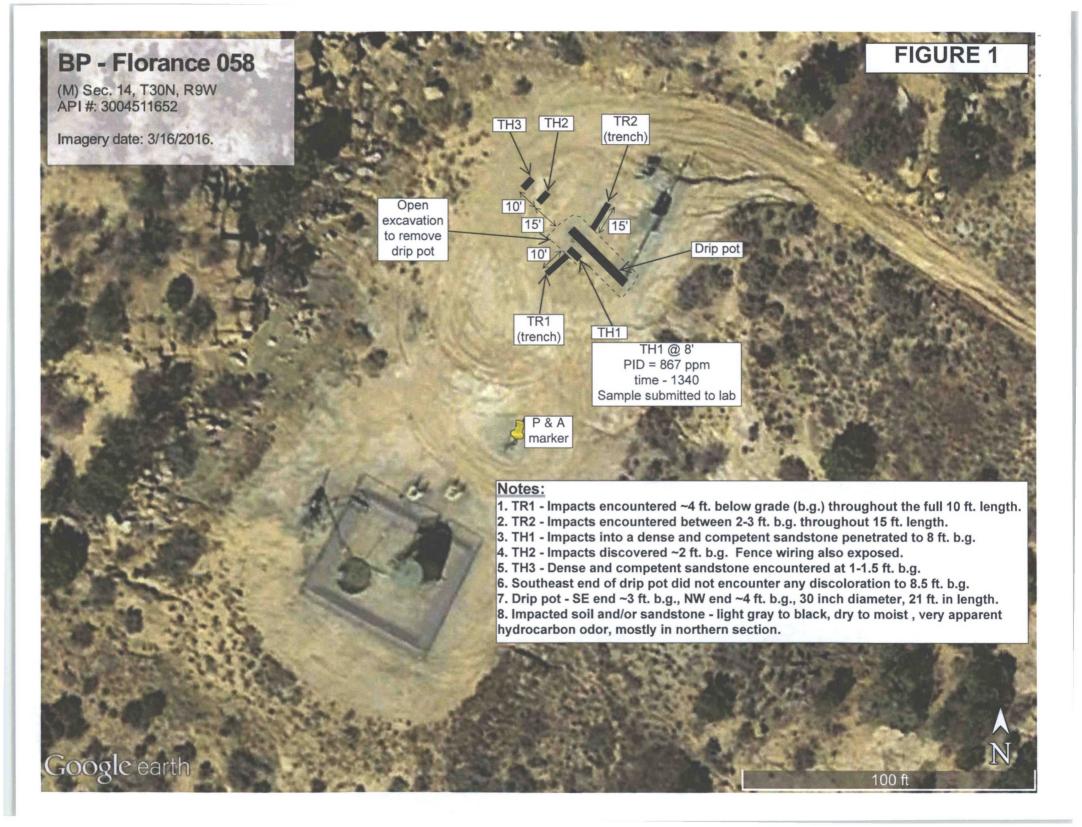
Subsequent sampling conducted along north sidewall and excavation bottom. After receiving preliminary lab results, crew advised to continue excavation toward north and west directions.

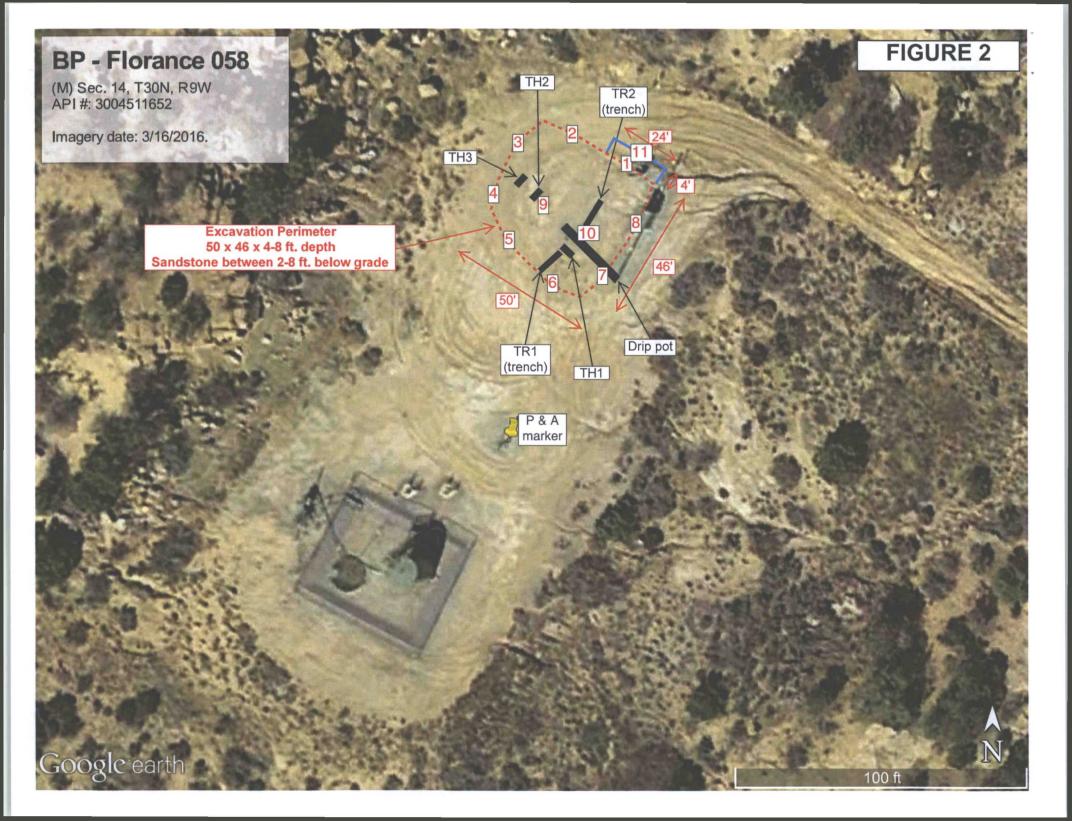
December 6, 2013:

Conducted extensive sampling of excavation measured approximately 50 ft. x 46 ft. x 4-8 ft. depth (Figure 2). After receiving preliminary lab results, crew advised to excavate north sidewall at eastern most area. Approximately 24 ft. x 4 ft. x 5 ft. depth of mostly sandstone was removed.

December 8, 2013:

Final sampling completed of the additional excavated area. Total of approximately 1,300 cubic yards of soil & bedrock were removed and transported to BP Crouch Mesa Landfarm in San Juan County, NM for final remediation.





BP AMERICA PRODUCTION COMPANY

Florance 058 - (Cleanup of Historical Release near Drip Pot)

Unit Letter M, Section 14, T30N, R9W - API Number: 30-045-11652

SAMPLE ID & MAP NUMBER		SAMPLE DATE	SAMPLE TIME	SAMPLING	FIELD OVM	TPH -	Benzene	BTEX -	Soil Description / Comments
				COLLECTION	READING (ppm)	cumulative (ppm)	(ppm)	cumulative (ppm)	
TH1 @ 8' (RELEASE)	TH1	11/30/16	1340	GRAB	867	2,440	ND	14.8	Sandstone between 2'-8' below grade. Material ultimately excavated.
3pc_EB @ 5' - 8' Release		12/02/16	1445	COMP.	NA	3,150	ND	12.2	Sandstone between 2'-8' below grade.
3pc_NSW @ 3' - 5'		12/02/16	1455	COMP.	NA	38,500	3.9	109.6	Sandstone between 2'-8' below grade. Material ultimately excavated.
5PC - NESW @ 3' - 5'	1	12/06/16	1415	COMP.	50.4	9,000	0.47	34.17	Sandstone between 2'-8' below grade. Material ultimately excavated.
5PC - NWSW @ 3' - 5'	2	12/06/16	1418	COMP.	19.4	2,410	ND	2.25	Sandstone between 2'-8' below grade.
5PC - WNSW @ 2' - 5'	3	12/06/16	1423	COMP.	174	794	ND	1.79	Sandstone between 2'-8' below grade.
5PC - WSSW @ 2' - 8'	4	12/06/16	1429	COMP.	198	2,150	ND	10.1	Sandstone between 2'-8' below grade.
5PC - SWSW @ 2' - 6'	5	12/06/16	1445	COMP.	66	312	ND	ND	Sandstone between 2'-8' below grade.
5PC - SESW @ 2' - 6'	6	12/06/16	1433	COMP.	86	3,380	0.10	14.30	Sandstone between 2'-8' below grade.
5PC - ESSW @ 2' - 6'	7	12/06/16	1436	COMP.	17.5	1,880	ND	2.3	Sandstone between 2'-8' below grade.
5PC - ENSW @ 2' - 6'	8	12/06/16	1440	COMP.	3.6	2,082	ND	ND	Sandstone between 2'-8' below grade.
5PC - WEB @ 6' - 8'	9	12/06/16	1446	COMP.	21.6	1,290	ND	2.0	Sandstone between 2'-8' below grade.
5PC - EEB @ 4' - 8'	10	12/06/16	1451	COMP.	27.1	1,338	ND	0.36	Sandstone between 2'-8' below grade.
5PC-Ext. NE Wall@2'-5'	11	12/08/16	1340	COMP.	18.0	205	ND	ND	Sandstone between 2'-8' below grade.
NMOCD RELEASE CLOSURE STANDARDS (soils) -				100	5,000	10	50		

Notes:

OVM - Organic vapor meter or photo-ionization detector (PID).

Total petroleum hydrocarbons by US EPA Method 8015B.

BTEX - Benzene, toluene, ethylbenzene, total xylenes by US EPA Method 8021B.

ppm - Parts per million or milligram per kilogram (mg/Kg).

ND - Not detected at Reporting Limit.

NMOCD - New Mexico Oil Conservation Division.

NA - Not available.

NMOCD RELEASE CLOSURE STANDARDS REFERENCE: "Guidelines for Remediation of Leaks, Spills and Releases" dated: August 13, 1993.

OVM CALIBRATION: RESPONSE FACTOR = 1.00, CALIBRATION GAS - 100 ppm ISOBUTYLENE.

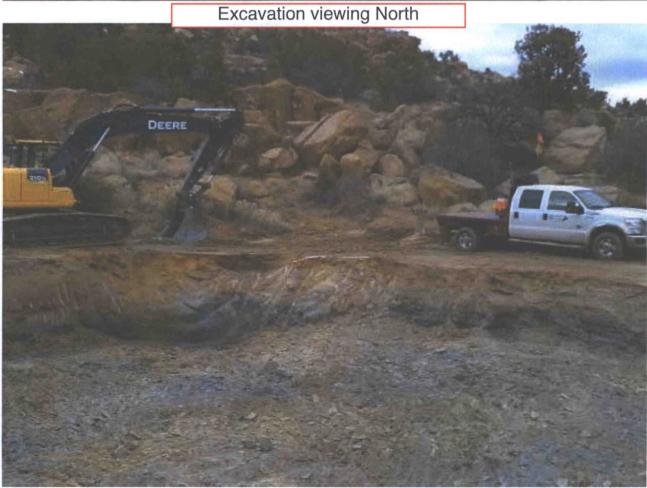
OVM CALIBRATION DATA

TPH-

DATE	TIME	READING
11/30/16	1355	100.0
12/06/16	1500	100.4

DATE	TIME	READING
12/08/16	1353	100.3





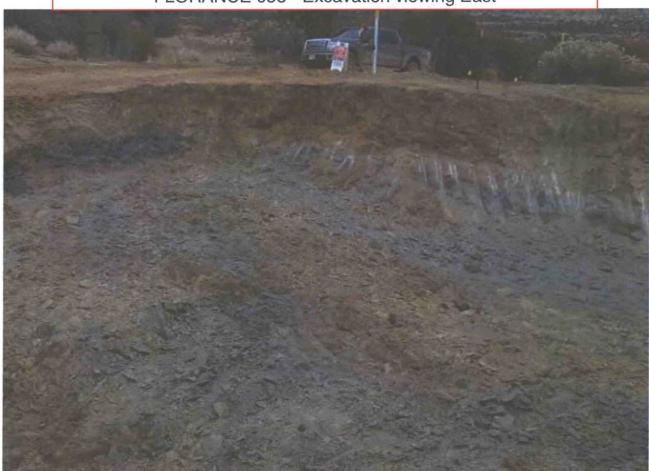
FLORANCE 058 - Excavation viewing West



Excavation viewing South



FLORANCE 058 - Excavation viewing East





Lab Order 1612005

Date Reported: 12/2/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: TH1 @ 8' (RELEASE)

Project: Florance 58

Collection Date: 11/30/2016 1:40:00 PM

Lab ID: 1612005-001

Matrix: MEOH (SOIL) Received Date: 12/1/2016 8:25:00 AM

Analyses	Result	PQL (Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analys	t: LGT
Chloride	ND	30		mg/Kg	20	12/1/2016 11:12:59 AM	A 28951
EPA METHOD 8015M/D: DIESEL RAN	IGE ORGANIC	s				Analys	t: TOM
Diesel Range Organics (DRO)	1700	49		mg/Kg	5	12/1/2016 1:57:21 PM	28941
Motor Oil Range Organics (MRO)	310	240		mg/Kg	5	12/1/2016 1:57:21 PM	28941
Surr: DNOP	111	70-130		%Rec	5	12/1/2016 1:57:21 PM	28941
EPA METHOD 8015D: GASOLINE RAI	NGE					Analys	t: NSB
Gasoline Range Organics (GRO)	430	39		mg/Kg	10	12/1/2016 10:22:51 AN	1 28928
Surr: BFB	346	68.3-144	s	%Rec	10	12/1/2016 10:22:51 AN	1 28928
EPA METHOD 8021B: VOLATILES						Analys	t: NSB
Benzene	ND	0.20		mg/Kg	10	12/1/2016 10:22:51 AN	1 28928
Toluene	ND	0.39		mg/Kg	10	12/1/2016 10:22:51 AN	1 28928
Ethylbenzene	1.8	0.39		mg/Kg	10	12/1/2016 10:22:51 AN	1 28928
Xylenes, Total	13	0.79		mg/Kg	10	12/1/2016 10:22:51 AN	1 28928
Surr: 4-Bromofluorobenzene	123	80-120	S	%Rec	10	12/1/2016 10:22:51 AN	1 28928

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 5
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order 1612116

Date Reported: 12/6/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: 3pc EB@5'-8' Release

Project: Florance 58

Collection Date: 12/2/2016 2:45:00 PM

Lab ID: 1612116-001

Matrix: MEOH (SOIL) Received Date: 12/3/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	ÞБ	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANIC	s				Analys	t: TOM
Diesel Range Organics (DRO)	2300	96		mg/Kg	10	12/5/2016 2:24:20 PM	28987
Motor Oil Range Organics (MRO)	590	480		mg/Kg	10	12/5/2016 2:24:20 PM	28987
Surr: DNOP	0	70-130	s	%Rec	10	12/5/2016 2:24:20 PM	28987
EPA METHOD 8015D: GASOLINE RAN	IGE					Analys	t: NSB
Gasoline Range Organics (GRO)	260	18		mg/Kg	5	12/5/2016 11:52:52 AN	1 28975
Surr: BFB	442	68.3-144	s	%Rec	5	12/5/2016 11:52:52 AN	1 28975
EPA METHOD 8021B: VOLATILES						Analys	t: NSB
Benzene	ND	0.089		mg/Kg	5	12/5/2016 11:52:52 AN	1 28975
Toluene	ND	0.18		mg/Kg	5	12/5/2016 11:52:52 AN	1 28975
Ethylbenzene	1.2	0.18		mg/Kg	5	12/5/2016 11:52:52 AN	1 28975
Xylenes, Total	11	0.36		mg/Kg	5	12/5/2016 11:52:52 AM	1 28975
Surr: 4-Bromofluorobenzene	137	80-120	S	%Rec	5	12/5/2016 11:52:52 AM	1 28975

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 5
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Analytical Report Lab Order 1612116

Date Reported: 12/6/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: 3pc-N5W@3'-5'

Project: Florance 58

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

Lab ID: 1612116-002

Matrix: MEOH (SOIL)

Received Date: 12/3/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANIC	s				Analyst	TOM
Diesel Range Organics (DRO)	26000	930		mg/Kg	100	12/5/2016 1:29:43 PM	28987
Motor Oil Range Organics (MRO)	11000	4600		mg/Kg	100	12/5/2016 1:29:43 PM	28987
Surr: DNOP	0	70-130	s	%Rec	100	12/5/2016 1:29:43 PM	28987
EPA METHOD 8015D: GASOLINE RAN	NGE					Analyst:	NSB
Gasoline Range Organics (GRO)	1500	79		mg/Kg	20	12/5/2016 11:05:35 AM	28975
Surr: BFB	253	68.3-144	s	%Rec	20	12/5/2016 11:05:35 AM	28975
EPA METHOD 8021B: VOLATILES						Analyst:	NSB
Benzene	3.9	0.40		mg/Kg	20	12/5/2016 11:05:35 AM	28975
Toluene	19	0.79		mg/Kg	20	12/5/2016 11:05:35 AM	28975
Ethylbenzene	5.7	0.79		mg/Kg	20	12/5/2016 11:05:35 AM	28975
Xylenes, Total	81	1.6		mg/Kg	20	12/5/2016 11:05:35 AM	28975
Surr: 4-Bromofluorobenzene	124	80-120	S	%Rec	20	12/5/2016 11:05:35 AM	28975

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
- 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
- Ε Value above quantitation range
- Analyte detected below quantitation limits Page 2 of 5 J
- Sample pH Not In Range
- Reporting Detection Limit
- Sample container temperature is out of limit as specified

Lab Order 1612292

Date Reported: 12/8/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: 5PC-NESW@3'-5'

Project:

Florance 58

Collection Date: 12/6/2016 2:15:00 PM

Lab ID: 1612292-001

Matrix: MEOH (SOIL) Received Date: 12/7/2016 8:25:00 AM

Analyses	Result	PQL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	ND	30	mg/Kg	20	12/7/2016 10:51:55 AM	29050
EPA METHOD 8015D MOD: GASOL	INE RANGE				Analyst	: AG
Gasoline Range Organics (GRO)	1400	21	mg/Kg	5	12/7/2016 11:20:00 AM	G39222
Surr: BFB	125	70-130	%Rec	5	12/7/2016 11:20:00 AM	G39222
EPA METHOD 8015M/D: DIESEL RA			Analyst	: TOM		
Diesel Range Organics (DRO)	5900	98	mg/Kg	10	12/7/2016 10:31:56 AM	29043
Motor Oil Range Organics (MRO)	1700	490	mg/Kg	10	12/7/2016 10:31:56 AM	29043
Surr: DNOP	0	70-130	S %Rec	10	12/7/2016 10:31:56 AM	29043
EPA METHOD 8260B: VOLATILES	SHORT LIST				Analyst	AG
Benzene	0.47	0.10	mg/Kg	5	12/7/2016 11:20:00 AM	L39222
Toluene	ND	0.21	mg/Kg	5	12/7/2016 11:20:00 AM	L39222
Ethylbenzene	2.7	0.21	mg/Kg	5	12/7/2016 11:20:00 AM	L39222
Xylenes, Total	31	0.42	mg/Kg	5	12/7/2016 11:20:00 AM	L39222
Surr: 1,2-Dichloroethane-d4	106	70-130	%Rec	5	12/7/2016 11:20:00 AM	L39222
Surr: 4-Bromofluorobenzene	82.2	70-130	%Rec	5	12/7/2016 11:20:00 AM	L39222
Surr: Dibromofluoromethane	102	70-130	%Rec	5	12/7/2016 11:20:00 AM	L39222
Surr: Toluene-d8	88.3	70-130	%Rec	5	12/7/2016 11:20:00 AM	L39222

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 17
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order 1612292

Date Reported: 12/8/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: 5PC-NWSW@3'-5'

Project:

Florance 58

Collection Date: 12/6/2016 2:18:00 PM

Lab ID: 16

1612292-002

Matrix: MEOH (SOIL)

Received Date: 12/7/2016 8:25:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	MRA
Chloride	ND	30		mg/Kg	20	12/7/2016 11:04:19 AM	29050
EPA METHOD 8015D MOD: GASOL	INE RANGE					Analyst:	DJF
Gasoline Range Organics (GRO)	260	4.0		mg/Kg	1	12/7/2016 12:41:01 PM	G39223
Surr: BFB	180	70-130	S	%Rec	1	12/7/2016 12:41:01 PM	G39223
EPA METHOD 8015M/D: DIESEL RA	ANGE ORGANICS	;				Analyst:	TOM
Diesel Range Organics (DRO)	1800	49		mg/Kg	5	12/7/2016 12:41:13 PM	29043
Motor Oil Range Organics (MRO)	350	240		mg/Kg	5	12/7/2016 12:41:13 PM	29043
Surr: DNOP	93.0	70-130		%Rec	5	12/7/2016 12:41:13 PM	29043
EPA METHOD 8260B: VOLATILES	SHORT LIST					Analyst:	DJF
Benzene	ND	0.020		mg/Kg	1	12/7/2016 12:41:01 PM	SL39223
Toluene	ND	0.040		mg/Kg	1	12/7/2016 12:41:01 PM	SL39223
Ethylbenzene	0.15	0.040		mg/Kg	1	12/7/2016 12:41:01 PM	SL39223
Xylenes, Total	2.1	0.080		mg/Kg	1	12/7/2016 12:41:01 PM	SL39223
Surr: 1,2-Dichloroethane-d4	97.8	70-130		%Rec	1	12/7/2016 12:41:01 PM	SL39223
Surr: 4-Bromofluorobenzene	131	70-130	s	%Rec	1	12/7/2016 12:41:01 PM	SL39223
Surr: Dibromofluoromethane	93.6	70-130		%Rec	1	12/7/2016 12:41:01 PM	SL39223
Surr: Toluene-d8	95.6	70-130		%Rec	1	12/7/2016 12:41:01 PM	SL39223

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 17
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Analytical Report Lab Order 1612292

Date Reported: 12/8/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: 5PC-WNSW@2'-5'

Project:

Florance 58

Collection Date: 12/6/2016 2:23:00 PM

Lab ID: 1612292-003

Matrix: MEOH (SOIL)

Received Date: 12/7/2016 8:25:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	MRA
Chloride	ND	30	mg/Kg	20	12/7/2016 11:16:44 AM	29050
EPA METHOD 8015D MOD: GASOL	INE RANGE				Analyst:	DJF
Gasoline Range Organics (GRO)	190	3.8	mg/Kg	1	12/7/2016 1:09:46 PM	G39223
Surr: BFB	120	70-130	%Rec	1	12/7/2016 1:09:46 PM	G39223
EPA METHOD 8015M/D: DIESEL RA	ANGE ORGANICS				Analyst:	TOM
Diesel Range Organics (DRO)	510	9.5	mg/Kg	1	12/7/2016 1:02:43 PM	29043
Motor Oil Range Organics (MRO)	94	48	mg/Kg	1	12/7/2016 1:02:43 PM	29043
Surr: DNOP	87.4	70-130	%Rec	1	12/7/2016 1:02:43 PM	29043
EPA METHOD 8260B: VOLATILES	SHORT LIST				Analyst:	DJF
Benzene	ND	0.019	mg/Kg	1	12/7/2016 1:09:46 PM	SL39223
Toluene	ND	0.038	mg/Kg	1	12/7/2016 1:09:46 PM	SL39223
Ethylbenzene	0.19	0.038	mg/Kg	1	12/7/2016 1:09:46 PM	SL39223
Xylenes, Total	1.6	0.076	mg/Kg	1	12/7/2016 1:09:46 PM	SL39223
Surr: 1,2-Dichloroethane-d4	97.3	70-130	%Rec	1	12/7/2016 1:09:46 PM	SL39223
Surr: 4-Bromofluorobenzene	99.6	70-130	%Rec	1	12/7/2016 1:09:46 PM	SL39223
Surr: Dibromofluoromethane	96.7	70-130	%Rec	1	12/7/2016 1:09:46 PM	SL39223
Surr: Toluene-d8	97.4	70-130	%Rec	1	12/7/2016 1:09:46 PM	SL39223

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 17
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order 1612292

Date Reported: 12/8/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: 5PC-WSSW@2'-8'

Project:

Florance 58

Collection Date: 12/6/2016 2:29:00 PM

Lab ID: 1612292-004

Matrix: MEOH (SOIL)

Received Date: 12/7/2016 8:25:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	ND	30	mg/Kg	20	12/7/2016 11:29:08 AM	29050
EPA METHOD 8015D MOD: GASOL	INE RANGE				Analyst	: AG
Gasoline Range Organics (GRO)	600	20	mg/Kg	5	12/7/2016 12:04:45 PM	G39222
Surr: BFB	109	70-130	%Rec	5	12/7/2016 12:04:45 PM	G39222
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS	}			Analyst	TOM
Diesel Range Organics (DRO)	1300	19	mg/Kg	2	12/7/2016 1:24:11 PM	29043
Motor Oil Range Organics (MRO)	250	96	mg/Kg	2	12/7/2016 1:24:11 PM	29043
Surr: DNOP	93.9	70-130	%Rec	2	12/7/2016 1:24:11 PM	29043
EPA METHOD 8260B: VOLATILES S	SHORT LIST				Analyst	: AG
Benzene	ND	0.10	mg/Kg	5	12/7/2016 12:04:45 PM	L39222
Toluene	ND	0.20	mg/Kg	5	12/7/2016 12:04:45 PM	L39222
Ethylbenzene	1.1	0.20	mg/Kg	5	12/7/2016 12:04:45 PM	L39222
Xylenes, Total	9.0	0.41	mg/Kg	5	12/7/2016 12:04:45 PM	L39222
Surr: 1,2-Dichloroethane-d4	108	70-130	%Rec	5	12/7/2016 12:04:45 PM	L39222
Surr: 4-Bromofluorobenzene	78.0	70-130	%Rec	5	12/7/2016 12:04:45 PM	L39222
Surr: Dibromofluoromethane	108	70-130	%Rec	5	12/7/2016 12:04:45 PM	L39222
Surr: Toluene-d8	96.4	70-130	%Rec	5	12/7/2016 12:04:45 PM	L39222

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
- % 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 4 of 17 j
- Sample pH Not In Range
- RLReporting Detection Limit
- Sample container temperature is out of limit as specified

Lab Order 1612292

Date Reported: 12/8/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: 5PC-SWSW@2'-6'

Project:

Florance 58

Collection Date: 12/6/2016 2:45:00 PM

Lab ID: 1612292-005

Matrix: MEOH (SOIL)

Received Date: 12/7/2016 8:25:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	ND	30	mg/Kg	20	12/7/2016 11:41:33 AM	29050
EPA METHOD 8015D MOD: GASOL	INE RANGE				Analyst	: AG
Gasoline Range Organics (GRO)	59	21	mg/Kg	5	12/7/2016 12:33:33 PM	G39222
Surr: BFB	91.4	70-130	%Rec	5	12/7/2016 12:33:33 PM	G39222
EPA METHOD 8015M/D: DIESEL RA	PA METHOD 8015M/D: DIESEL RANGE ORGANICS					TOM
Diesel Range Organics (DRO)	180	9.9	mg/Kg	1	12/7/2016 1:45:46 PM	29043
Motor Oil Range Organics (MRO)	73	50	mg/Kg	1	12/7/2016 1:45:46 PM	29043
Surr: DNOP	84.9	70-130	%Rec	1	12/7/2016 1:45:46 PM	29043
EPA METHOD 8260B: VOLATILES \$	SHORT LIST				Analyst	AG
Benzene	ND	0.10	mg/Kg	5	12/7/2016 12:33:33 PM	L39222
Toluene	ND	0.21	mg/Kg	5	12/7/2016 12:33:33 PM	L39222
Ethylbenzene	ND	0.21	mg/Kg	5	12/7/2016 12:33:33 PM	L39222
Xylenes, Total	ND	0.41	mg/Kg	5	12/7/2016 12:33:33 PM	L39222
Surr: 1,2-Dichloroethane-d4	105	70-130	%Rec	5	12/7/2016 12:33:33 PM	L39222
Surr: 4-Bromofluorobenzene	76.5	70-130	%Rec	5	12/7/2016 12:33:33 PM	L39222
Surr: Dibromofluoromethane	108	70-130	%Rec	5	12/7/2016 12:33:33 PM	L39222
Surr: Toluene-d8	92.2	70-130	%Rec	5	12/7/2016 12:33:33 PM	L39222

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 17
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order 1612292

Date Reported: 12/8/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: 5PC-SESW@2'-6'

Project: Florance 58 Collection Date: 12/6/2016 2:33:00 PM

Lab ID: 1612292-006 Matrix: MEOH (SOIL) Received Date: 12/7/2016 8:25:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	ND	30	mg/Kg	20	12/7/2016 11:53:57 AM	29050
EPA METHOD 8015D MOD: GASOL	INE RANGE				Analyst	AG
Gasoline Range Organics (GRO)	730	20	mg/Kg	5	12/7/2016 1:02:38 PM	G39222
Surr: BFB	117	70-130	%Rec	5	12/7/2016 1:02:38 PM	G39222
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS	}			Analyst	TOM
Diesel Range Organics (DRO)	2200	46	mg/Kg	5	12/7/2016 2:28:44 PM	29043
Motor Oil Range Organics (MRO)	450	230	mg/Kg	5	12/7/2016 2:28:44 PM	29043
Surr: DNOP	101	70-130	%Rec	5	12/7/2016 2:28:44 PM	29043
EPA METHOD 8260B: VOLATILES S	SHORT LIST				Analyst	AG
Benzene	0.10	0.10	mg/Kg	5	12/7/2016 1:02:38 PM	L39222
Toluene	ND	0.20	mg/Kg	5	12/7/2016 1:02:38 PM	L39222
Ethylbenzene	1.2	0.20	mg/Kg	5	12/7/2016 1:02:38 PM	L39222
Xylenes, Total	13	0.40	mg/Kg	5	12/7/2016 1:02:38 PM	L39222
Surr: 1,2-Dichloroethane-d4	113	70-130	%Rec	5	12/7/2016 1:02:38 PM	L39222
Surr: 4-Bromofluorobenzene	73.8	70-130	%Rec	5	12/7/2016 1:02:38 PM	L39222
Surr: Dibromofluoromethane	110	70-130	%Rec	5	12/7/2016 1:02:38 PM	L39222
Surr: Toluene-d8	89.6	70-130	%Rec	5	12/7/2016 1:02:38 PM	L39222

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
- 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
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 6 of 17 J
- Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified

Lab Order 1612292

Date Reported: 12/8/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: 5PC-ESSW@2'-6'

Project:

Florance 58

Collection Date: 12/6/2016 2:36:00 PM

Lab ID: 1612292-007

Matrix: MEOH (SOIL)

Received Date: 12/7/2016 8:25:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: MRA
Chloride	ND	30	mg/Kg	20	12/7/2016 12:06:21 PM	29050
EPA METHOD 8015D MOD: GASOL	INE RANGE				Analyst	: AG
Gasoline Range Organics (GRO)	240	37	mg/Kg	10	12/7/2016 1:31:29 PM	G39222
Surr: BFB	96.1	70-130	%Rec	10	12/7/2016 1:31:29 PM	G39222
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS	}			Analyst	: TOM
Diesel Range Organics (DRO)	1300	19	mg/Kg	2	12/7/2016 1:56:05 PM	29043
Motor Oil Range Organics (MRO)	340	97	mg/Kg	2	12/7/2016 1:56:05 PM	29043
Surr: DNOP	102	70-130	%Rec	2	12/7/2016 1:56:05 PM	29043
EPA METHOD 8260B: VOLATILES	SHORT LIST				Analyst	: AG
Benzene	ND	0.18	mg/Kg	10	12/7/2016 1:31:29 PM	L39222
Toluene	ND	0.37	mg/Kg	10	12/7/2016 1:31:29 PM	L39222
Ethylbenzene	ND	0.37	mg/Kg	10	12/7/2016 1:31:29 PM	L39222
Xylenes, Total	2.3	0.74	mg/Kg	10	12/7/2016 1:31:29 PM	L39222
Surr: 1,2-Dichloroethane-d4	109	70-130	%Rec	10	12/7/2016 1:31:29 PM	L39222
Surr: 4-Bromofluorobenzene	71.1	70-130	%Rec	10	12/7/2016 1:31:29 PM	L39222
Surr: Dibromofluoromethane	115	70-130	%Rec	10	12/7/2016 1:31:29 PM	L39222
Surr: Toluene-d8	92.4	70-130	%Rec	10	12/7/2016 1:31:29 PM	L39222

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 7 of 17 J
- P Sample pH Not In Range
- Reporting Detection Limit
- Sample container temperature is out of limit as specified

Lab Order 1612292

Date Reported: 12/8/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: 5PC-ENSW@2'-6'

Project:

Florance 58

Collection Date: 12/6/2016 2:40:00 PM

Lab ID: 1612292-008

Matrix: MEOH (SOIL)

Received Date: 12/7/2016 8:25:00 AM

Analyses	Result	PQL (Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	ND	30	mg/Kg	20	12/7/2016 12:18:47 PM	29050
EPA METHOD 8015D MOD: GASOLINE	RANGE				Analyst:	DJF
Gasoline Range Organics (GRO)	32	8.1	mg/Kg	2	12/7/2016 1:38:30 PM	G39223
Surr: BFB	100	70-130	%Rec	2	12/7/2016 1:38:30 PM	G39223
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS	5			Analyst:	TOM
Diesel Range Organics (DRO)	1400	99	mg/Kg	10	12/7/2016 12:08:07 PM	29043
Motor Oil Range Organics (MRO)	650	500	mg/Kg	10	12/7/2016 12:08:07 PM	29043
Surr: DNOP	0	70-130	S %Rec	10	12/7/2016 12:08:07 PM	29043
EPA METHOD 8260B: VOLATILES SHO	ORT LIST				Analyst:	DJF
Benzene	ND	0.041	mg/Kg	2	12/7/2016 1:38:30 PM	SL39223
Toluene	ND	0.081	mg/Kg	2	12/7/2016 1:38:30 PM	SL39223
Ethylbenzene	ND	0.081	mg/Kg	2	12/7/2016 1:38:30 PM	SL39223
Xylenes, Total	ND	0.16	mg/Kg	2	12/7/2016 1:38:30 PM	SL39223
Surr: 1,2-Dichloroethane-d4	97.2	70-130	%Rec	2	12/7/2016 1:38:30 PM	SL39223
Surr: 4-Bromofluorobenzene	95.3	70-130	%Rec	2	12/7/2016 1:38:30 PM	SL39223
Surr: Dibromofluoromethane	101	70-130	%Rec	2	12/7/2016 1:38:30 PM	SL39223
Surr: Toluene-d8	96.8	70-130	%Rec	2	12/7/2016 1:38:30 PM	SL39223

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 17
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order 1612292

Date Reported: 12/8/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: 5PC-WEB@6'-8'

Project:

Florance 58

Collection Date: 12/6/2016 2:46:00 PM

Lab ID: 1612292-009

Matrix: MEOH (SOIL)

Received Date: 12/7/2016 8:25:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS				-	Analyst	MRA
Chloride	ND	30	mg/Kg	20	12/7/2016 12:56:01 PM	29050
EPA METHOD 8015D MOD: GASOL	INE RANGE				Analyst:	DJF
Gasoline Range Organics (GRO)	150	24	mg/Kg	5	12/7/2016 11:43:38 AM	G39223
Surr: BFB	94.7	70-130	%Rec	5	12/7/2016 11:43:38 AM	G39223
EPA METHOD 8015M/D: DIESEL RA	ANGE ORGANICS	} .			Analyst:	TOM
Diesel Range Organics (DRO)	890	40	mg/Kg	4	12/7/2016 1:29:00 PM	29043
Motor Oil Range Organics (MRO)	250	200	mg/Kg	4	12/7/2016 1:29:00 PM	29043
Surr: DNOP	118	70-130	%Rec	4	12/7/2016 1:29:00 PM	29043
EPA METHOD 8260B: VOLATILES	SHORT LIST				Analyst:	DJF
Benzene	ND	0.12	mg/Kg	5	12/7/2016 11:43:38 AM	SL39223
Toluene	ND	0.24	mg/Kg	5	12/7/2016 11:43:38 AM	SL39223
Ethylbenzene	ND	0.24	mg/Kg	5	12/7/2016 11:43:38 AM	SL39223
Xylenes, Total	2.0	0.49	mg/Kg	5	12/7/2016 11:43:38 AM	SL39223
Surr: 1,2-Dichloroethane-d4	99.1	70-130	%Rec	5	12/7/2016 11:43:38 AM	SL39223
Surr: 4-Bromofluorobenzene	83.3	70-130	%Rec	5	12/7/2016 11:43:38 AM	SL39223
Surr: Dibromofluoromethane	102	70-130	%Rec	5	12/7/2016 11:43:38 AM	SL39223
Surr: Toluene-d8	98.3	70-130	%Rec	5	12/7/2016 11:43:38 AM	SL39223

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
- $R \quad RPD \ outside \ accepted \ recovery \ limits$
- 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 17
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order 1612292

Date Reported: 12/8/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: 5PC-EEB@4'-8'

Project:

Florance 58

Collection Date: 12/6/2016 2:51:00 PM

Lab ID: 1612292-010

Matrix: MEOH (SOIL)

Received Date: 12/7/2016 8:25:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	ND	30	mg/Kg	20	12/7/2016 1:08:26 PM	29050
EPA METHOD 8015D MOD: GASOL	INE RANGE				Analyst	DJF
Gasoline Range Organics (GRO)	68	4.3	mg/Kg	1	12/7/2016 12:12:19 PM	G39223
Surr: BFB	108	70-130	%Rec	1	12/7/2016 12:12:19 PM	G39223
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS	;			Analyst	TOM
Diesel Range Organics (DRO)	980	40	mg/Kg	4	12/7/2016 1:02:02 PM	29043
Motor Oil Range Organics (MRO)	290	200	mg/Kg	4	12/7/2016 1:02:02 PM	29043
Surr: DNOP	116	70-130	%Rec	4	12/7/2016 1:02:02 PM	29043
EPA METHOD 8260B: VOLATILES	SHORT LIST				Analyst	DJF
Benzene	ND	0.021	mg/Kg	1	12/7/2016 12:12:19 PM	SL39223
Toluene	ND	0.043	mg/Kg	1	12/7/2016 12:12:19 PM	SL39223
Ethylbenzene	ND	0.043	mg/Kg	1	12/7/2016 12:12:19 PM	SL39223
Xylenes, Total	0.36	0.086	mg/Kg	1	12/7/2016 12:12:19 PM	SL39223
Surr: 1,2-Dichloroethane-d4	98.6	70-130	%Rec	1	12/7/2016 12:12:19 PM	SL39223
Surr: 4-Bromofluorobenzene	96.2	70-130	%Rec	1	12/7/2016 12:12:19 PM	SL39223
Surr: Dibromofluoromethane	101	70-130	%Rec	1	12/7/2016 12:12:19 PM	SL39223
Surr: Toluene-d8	94.2	70-130	%Rec	1	12/7/2016 12:12:19 PM	SL39223

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
- Ε Value above quantitation range
- Analyte detected below quantitation limits Page 10 of 17 J
- Sample pH Not In Range
- Reporting Detection Limit
- Sample container temperature is out of limit as specified

Lab Order 1612497

Date Reported: 12/12/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: Extended NE Wall 5-pt @ 2'-5'

Project: Florance 58

Collection Date: 12/8/2016 1:40:00 PM

Lab ID: 1612497-001 Matrix: MEOH (SOIL) Received Date: 12/9/2016 8:20:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	st: LGT
Chloride	ND	30	mg/Kg	20	12/9/2016 10:48:10 Al	M 29104
EPA METHOD 8015M/D: DIESEL RAN	IGE ORGANIC	s			Analys	t: TOM
Diesel Range Organics (DRO)	140	9.9	mg/Kg	1	12/9/2016 10:15:30 Af	M 29095
Motor Oil Range Organics (MRO)	65	49	mg/Kg	1	12/9/2016 10:15:30 Al	M 29095
Surr: DNOP	98.2	70-130	%Rec	1	12/9/2016 10:15:30 Af	M 29095
EPA METHOD 8015D: GASOLINE RA	NGE				Analys	t: NSB
Gasoline Range Organics (GRO)	ND	15	mg/Kg	4	12/9/2016 9:56:54 AM	29078
Surr: BFB	110	68.3-144	%Rec	4	12/9/2016 9:56:54 AM	29078
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	. ND	0.075	mg/Kg	4	12/9/2016 9:56:54 AM	29078
Toluene	ND	0.15	mg/Kg	4	12/9/2016 9:56:54 AM	29078
Ethylbenzene	ND	0.15	mg/Kg	4	12/9/2016 9:56:54 AM	29078
Xylenes, Total	ND	0.30	mg/Kg	4	12/9/2016 9:56:54 AM	29078
Surr: 4-Bromofluorobenzene	99.1	80-120	%Rec	4	12/9/2016 9:56:54 AM	29078

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
- Ε Value above quantitation range
- Analyte detected below quantitation limits Page 1 of 5 J
- Sample pH Not In Range
- RLReporting Detection Limit
- Sample container temperature is out of limit as specified

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lient:	BLAG	G ENGR.	/ BP AMERICA	☐ Standard	✓ Rush _	DAY													AT			•
		-		Project Name							ww	w.ha	llen	viro	nme	enta	l.cor	n				
1ailing A	ddress:	P.O. BO	X 87] 1	FLORANCE	# 58		49	01 H	ławk	ins l	NE -	Alb	uqu	erq	ue, l	NM 8	3710	19			
		BLOOM	FIELD, NM 87413	Project #:				Te	el. 50	05-34	15-3	975	F	ax !	505-	345	-41 0	7				
hone #:		(505) 63	2-1199]								А	naly	ysis	Red	ques	st					
mail or F	ax#:			Project Mana	ger:				_)4)				300.1)				
A/QC Pa			Level 4 (Full Validation)		NELSON V	ELEZ	(8021B)	+ MTBE + TPH (Gas only)	/ MRO)			AS)		PO4,SC	2 PCB's			water - 30			<u>v</u>	
ccreditat	tion:			Sampler:	NELSON V	ELEZ ny	1 3	t (Ga	DRO	ਜ਼	ਜ਼	8270SIMS)		NO ₂	808						d WE	
NELAF		□ Other		0.00		e noto situa	#	Į.	/01	418	56	827	S	6	es/		OA)	300.0			tes	2 2
1 EDD (「ype)			amieten.	Patrice (1)			BE 4	(GF	Pod	P	ō	eta	ט,	icid	ह	j-			용	posi	2 (
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEALING.	BTEX +-MA	BTEX + MI	TPH 8015B (GRO / DRO	TPH (Method 418.1)	EDB (Method 504.1)	PAH (8310	RCRA 8 Metals	Anions (F,Cl,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Chioride (soll		Grab sample	5 pt. composite sample	Air Bubbles (Y or N)
1/30/16	1340	SOIL	TH1 @ 8' (RELEASE)	4 oz 1	Cool	-001	V		V	П								7	П	7		
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•	if necessary	, samiples sub	mitted to Hall Environmental may be su	bcontracted to other a	accredited laboratoric	es. This serves as notice	of this	poseit	oility.	Any su	b-con	tracted	l data	will b	e clea	arty no	tated	on the	analyti	ical re	port	

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Time Matrix Sample Request ID Container Type Matrix Sample Request ID Sample Reque		.	BLOOM	FIELD, NM 87413	Project #:		<u> </u>	1	Τe	el. 50)5-3 ⁴	45-3	975	F	ax	505-	-345	410	7				
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Standard	nail or F	ax#:			Project Manag	ger. Jest 1	Racco)					(%				0.1)				
#2/16 1455 SOIL 3PC - NSW @ 3'-5') - 40Z COOL - OOL V V STORM STO		_		Level 4 (Full Validation)		NELSON VI	ELEZ	021B)	s only)	/ MRO			(5)		PO4,SC	PCB's			ויו			e l	
#2/16 1455 SOIL 3PC - NSW @ 3'-5') - 40Z COOL - OOL V V STORM STO	ccreditat	tion:			Sampler:	NELSON VI	ELEZ 977	T E	<u>6</u>	ORO.	न	1)	OSIN		Š	808			× /	- {		Ē	
#2/16 1455 SOIL 3PC - NSW @ 3'-5') - 40Z COOL - OOL V V STORM STO			□ Other	<u> </u>				#	₹	1/0	418	504	827	5	ු ද	sa/		ৰ	80		Ì	E SS	or N
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#Z/IC 1445 5016 3PC - Reserved by: Time: Refingulished by: Received by: Date Time Remarks: BILL DIRECTLY TO BP USING CONTACT USTED WITH Date Time Page Date Time Date Tim	Date	Time	Matrix	Sample Request ID	1	Type	HEAL NG.	BTEX 1	STEX + MT	IPH 8015B	ΓΡΗ (Met	EDB (Met	PAH (831)	RCRA 8 M	Anions (F,	3081 Pest	3260B (VC	3270 (Sen	Chloride (s		Grab sample	# pt. composite sample	Air Bubbles (Y or N)
Time: Refinguished by: Received by: Received by: Date Time Remarks: BILL DIRECTLY TO BP USING CONTACT LISTED WIT YIELD ACTHER CODES REFERENCED: Steve Moskal VID: ZBEEBSOPLG GL: 745277	12/16	1445	5016	3PC-EBE5-8'	1-402	ĝ				<u> </u>		_		_						寸		3	Ì
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Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HIPALAIG HAIZ Z (Z	BTEX + NAT	BTEX + MTBE	TPH 8015B	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	ا ا		5 pt. composite sample
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tı	1445	ч	SPC-SWSWQ 2'-b'	u	11	-005	7		X									x			
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Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1618497	BTEX + MTBE = IMBS (8021)	BTEX + MTBE	TPH 8015B (GRO	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or	RCRA 8 Metals	Anions (F,CI,NO3,NO2,PO4,SO4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (SemI-VOA)	CHLORUNE			Air Bubbles (Y or N)
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	f necessary.	samples sut	omitted to Hall Environmental may be sub	contracted to other a	icore lited laboratorio			bility.	Any s	ub-con	tracte	d data	will b	e clea	rly not	ated or	n the a	inalytic	al repor	rt.	

Hall Environmental Analysis Laboratory, Inc.

WO#:

1612005

02-Dec-16

Client:

Blagg Engineering

Project:

Florance 58

Sample ID MB-28951

SampType: MBLK

TestCode: EPA Method 300.0: Anlons

Client ID: **PBS** Batch ID: 28951

RunNo: 39109

Prep Date: 12/1/2016

Analysis Date: 12/1/2016

SeqNo: 1223465

Units: mg/Kg

RPDLimit

Qual

Analyte

Result

PQL SPK value SPK Ref Val %REC LowLimit

TestCode: EPA Method 300.0: Anions

LowLimit

HighLimit

%RPD

Chloride

2.5 1.5

%RPD

Sample ID LCS-28951

Prep Date: 12/1/2016

Client ID: LCSS

SampType: LCS Batch ID: 28951

Analysis Date: 12/1/2016

RunNo: 39109

Units: ma/Ka

110

HighLimit

Qual

Analyte Chloride

Result 14

SPK value SPK Ref Val PQL 1.5

15.00

%REC 94.2

SeqNo: 1223466

90

RPDLimit

В

Qualifiers:

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 R

% 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

Sample pH Not In Range

RLReporting Detection Limit

Sample container temperature is out of limit as specified

Page 2 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#:

1612005

02-Dec-16

Client:

Blagg Engineering

Project: Flor	ance 58								
Sample ID LCS-28941	SampType: I	.cs	Tes	tCode: El	PA Method	8015M/D: DI	esel Rang	e Organics	
Client ID: LCSS	Batch ID: 2	28941	F	RunNo: 3	9082				
Prep Date: 12/1/2016	Analysis Date:	12/1/2016	\$	SeqNo: 1	222609	Units: mg/F	(g	`	
Analyte	Result PQL	. SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44 1	0 50.00	0	87.4	62.6	124			
Surr: DNOP	4.4	5.000		88.4	70	130			
Sample ID MB-28941	SampType: I	/BLK	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: PBS	Batch ID: 2	8941	F	RunNo: 3	9082				
Prep Date: 12/1/2016	Analysis Date:	12/1/2016	5	SeqNo: 1	222610	Units: mg/F	(g		
Analyte	Result PQL	. SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND 1	0							
/lotor Oil Range Organics (MR	D) ND 5	0							
Surr: DNOP	9.4	10.00		94.5	70	130			
Sample ID 1612005-001	AMS SampType: I	ns .	Tes	tCode: EF	PA Method	8015M/D: Di	esel Rang	e Organics	•
Client ID: TH1 @ 8' (RI	ELEASE Batch ID: 2	8941	F	RunNo: 3	9082				
Prep Date: 12/1/2016	Analysis Date:	12/1/2016	S	SeqNo: 1	222684	Units: mg/k	(g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	1800 4	8 47.53	1677	209	51.6	130		· ·	S
Surr: DNOP	6.0	4.753		126	70	130			
Sample ID 1612005-001	AMSD SampType: I	//SD	Tes	tCode: EF	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: TH1 @ 8' (RI	ELEASE Batch ID: 2	8941	F	RunNo: 39	9082				

Client ID: TH1 @ 8' (RELEA	ASE Batch	1D: 28	941	F	RunNo: 3	9082				
Prep Date: 12/1/2016	Analysis D)ate: 12	2/1/2016	S	SeqNo: 1	222685	Units: mg/H	ζg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	1600	47	46.55	1677	-130	51.6	130	9.44	20	S
Surr: DNOP	5.7		4.655		123	70	130	0	0	

- 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 5

- 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#:

1612005

02-Dec-16

Client:

Blagg Engineering

Project:

Florance 58

Sample ID MB-28928

SampType: MBLK

PQL

TestCode: EPA Method 8015D: Gasoline Range

Batch ID: 28928

Client ID: **PBS**

RunNo: 39086

Prep Date: 11/30/2016

Analysis Date: 12/1/2016

SeqNo: 1222904

Units: mg/Kg

144

HighLimit

RPDLimit

Qual

Analyte Gasoline Range Organics (GRO)

ND

Result

1000

SPK value SPK Ref Val %REC

81.3

LowLimit

68.3

%RPD

5.0 810

SampType: LCS

5.0

TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS

Surr. BFB

Batch ID: 28928

RunNo: 39086

Prep Date: 11/30/2016

Sample ID LCS-28928

Analysis Date: 12/1/2016

SeqNo: 1222905

Units: mg/Kg

HighLimit %RPD

RPDLimit Qual

Analyte Gasoline Range Organics (GRO) Surr: BFB

24 880 25.00 1000

SPK value SPK Ref Val

%REC 97.8 88.0

68.3

LowLimit

74.6

123 144

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
- RPD outside accepted recovery limits
- % 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
- Sample pH Not In Range
- Reporting Detection Limit
- Sample container temperature is out of limit as specified

Page 4 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#:

1612005

02-Dec-16

Client:

Blagg Engineering

Project:

Florance 58

Sample ID MB-28928	Samp1	Гуре: МЕ	зьк	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batcl	h ID: 28	928	F	lunNo: 3	9086						
Prep Date: 11/30/2016	Analysis D	Date: 12	2/1/2016	S	SeqNo: 1	222915	Units: mg/K	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										
Xylenes, Total	ND	0.10										
Surr: 4-Bromofluorobenzene	0.95		1.000		94.8	80	120					

Sample ID LCS-28928	TestCode: EPA Method 8021B: Volatiles											
Client ID: LCSS	Batch	n ID: 28	928	F	RunNo: 3	9086						
Prep Date: 11/30/2016	Analysis D)ate: 12	2/1/2016	8	SeqNo: 1	222916	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	0.95	0.025	1.000	0	95.4	75.2	115					
Toluene	0.95	0.050	1.000	0	94.7	80.7	112					
Ethylbenzene	0.96	0.050	1.000	0	96.2	78.9	117					
Xylenes, Total	2.8	0.10	3.000	0	94.8	79.2	115					
Surr: 4-Bromofluorobenzene	1.0		1.000		99.7	80	120					

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

Hall Environmental Analysis Laboratory

4901 Howkins NE

Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107

Sample Log-In Check List

Website: www.hallenvironmental.com Work Order Number: 1612005 RcptNo: 1 Client Name: **BLAGG** Received by/date: Logged By: 12/1/2016 8:25:00 AM Lindsay Mangin 12/1/2016 8:45:54 AM Lindsay Mangin Completed By: 2/01/16 Reviewed By: Chain of Custody 1. Custody seals intact on sample bottles? Yes 🗀 No 🛄 Not Present Yes 🗸 No [Not Present [...] 2. Is Chain of Custody complete? 3. How was the sample delivered? Courier Log In No 🗆 NA [] 4. Was an attempt made to cool the samples? Yes 🛂 NA 🗀 No [] 5. Were all samples received at a temperature of >0° C to 6.0°C Yes V No 🗌 6. Sample(s) in proper container(s)? Yes 🔽 No IT 7. Sufficient sample volume for indicated test(s)? Yes 🔽 No 🗔 8. Are samples (except VOA and ONG) properly preserved? No 🛂 NA 🔲 Yes Li 9. Was preservative added to bottles? Yes No 🗆 No VOA Vials 10.VOA vials have zero headspace? Yes [] No 🗹 11. Were any sample containers received broken? # of preserved bottles checked Yes V No [] for pH: 12. Does paperwork match bottle labels? (Note discrepancies on chain of custody) (<2 or >12 unless noted) Adjusted? Yes 🔽 No [..] 13. Are matrices correctly identified on Chain of Custody? No [] 14. Is it clear what analyses were requested? Yes 🗹 15. Were all holding times able to be met? Yes 🔽 No 🗌 Checked by: (If no, notify customer for authorization.) Special Handling (if applicable) Yes [] No 📋 16. Was client notified of all discrepancies with this order? NA 🔛 Person Notified: Date: By Whom: Via: eMail Phone Fax In Person Regarding: Client instructions: 17. Additional remarks: 18. Cooler Information Cooler No Temp C Condition Seal Intact | Seal No | Seal Date | Signed By

Hall Environmental Analysis Laboratory, Inc.

WO#:

1612116

06-Dec-16

Client:

Blagg Engineering

Project:

Florance 58

Sample ID LCS-28971

SampType: LCS

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

LCSS

Batch ID: 28971

RunNo: 39131

Client ID:

Analysis Date: 12/5/2016

Prep Date: 12/2/2016

4.7

SeqNo: 1224358

Units: %Rec

130

Analyte

Surr: DNOP

Result

SPK value SPK Ref Val %REC

5.000

LowLimit

HighLimit %RPD **RPDLimit**

Qual

Sample ID MB-28971

SampType: MBLK

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

Client ID:

PBS

Batch ID: 28971

PQL

RunNo: 39131

93.4

Units: %Rec

Prep Date: Analyte

12/2/2016

Analysis Date: 12/5/2016

SeqNo: 1224359

HighLimit

Qual

Surr: DNOP

Result 9.7 SPK value SPK Ref Val

%REC LowLimit 96.6

HighLimit 70 130 %RPD **RPDLimit**

Client ID:

10.00

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

%RPD

Sample ID MB-28987

SampType: MBLK

Batch ID: 28987

RunNo: 39131

PBS Prep Date: 12/5/2016

Analysis Date: 12/5/2016

SeqNo: 1224588

Units: mg/Kg

RPDLimit

Qual

Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO)

Result

PQL ND 10 ND

50

10.00

98.0

70

Surr: DNOP

SampType: LCS

9.8

SPK value SPK Ref Val %REC LowLimit

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

Sample ID LCS-28987 Client ID: LCSS

Batch ID: 28987

PQL

10

RunNo: 39131

130

130

Prep Date: 12/5/2016

Analysis Date: 12/5/2016

SeqNo: 1224590

Units: mg/Kg

Page 3 of 5

Analyte Diesel Range Organics (DRO)

Surr: DNOP

Result 49 4.8

50.00

5.000

SPK value SPK Ref Val 0

%REC LowLimit 98.6

96.0

62.6

70

HighLimit %RPD 124

RPDLimit

Qual

ND

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

% Recovery outside of range due to dilution or matrix

- Not Detected at the Reporting Limit R RPD outside accepted recovery limits
- В Analyte detected in the associated Method Blank
- Ε Value above quantitation range
- Analyte detected below quantitation limits
- RL Reporting Detection Limit

Sample pH Not In Range

Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1612116

06-Dec-16

Client:

Blagg Engineering

Project:

Florance 58

Sample ID MB-28975 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Client ID: PBS Batch ID: 28975 RunNo: 39140 Prep Date: 12/2/2016 Analysis Date: 12/5/2016 SeqNo: 1224951 Units: mg/Kg Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) ND 5.0 Surr: BFB 810 1000 80.7 68.3 144

Sample ID LCS-28975	S	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	je								
Client ID: LCSS	Batc	h ID: 28	975	RunNo: 39140											
Prep Date: 12/2/2016	Analysis Date: 12/5/2016			8	SeqNo: 1224952			Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual					
Gasoline Range Organics (GRO)	21	5.0	25.00	0	85.0	74.6	123								
Surr: BFB	860		1000		86.5	68.3	144								

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

RPD outside accepted recovery limits R

% Recovery outside of range due to dilution or matrix

В Analyte detected in the associated Method Blank

Е Value above quantitation range

Analyte detected below quantitation limits

Sample pH Not In Range

Page 4 of 5

RL Reporting Detection Limit

Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1612116

06-Dec-16

Client:

Blagg Engineering

Project:

Florance 58

Sample ID MB-28975	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batc	h ID: 28	975	F							
Prep Date: 12/2/2016	Analysis [Date: 1:	2/5/2016	\$	SeqNo: 1	224968	Units: mg/K	(g			
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	0.94		1.000		93.7	80	120				
Sample ID LCS-28975	Samp	ype: LC	pe: LCS TestCode: EPA Method 8021B: Volatiles								
Client ID: 1 CSS	Batel	h ID- 20	075		Dunkler 2	0440					

Sample ID LCS-28975	Samp1	Type: LC	s	TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 28975 Analysis Date: 12/5/2016			F							
Prep Date: 12/2/2016				S	SeqNo: 1	224969	Units: mg/k	ζg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	1.1	0.025	1.000	0	108	75.2	115				
Toluene	0.99	0.050	1.000	0	99.1	80.7	112				
Ethylbenzene	0.95	0.050	1.000	0	95.5	78.9	117				
Xylenes, Total	2.8	0.10	3.000	0	94.6	79.2	115				
Surr: 4-Bromofluorobenzene	1.0		1.000		99.9	80	120				

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 5



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:	BLAGG	er Number:	16121	16			RcptNo: 1				
Received by/da	ate:	K 1	20311	0					··		
Logged By:	Lindsay Ma	ngin	12/3/2016 8	MA 00:00:			04	Mago	•		
Completed By:	: Lindsay Ma	ngin	12/5/2016 7	:22:26 AM			Copy of the state	HAD	1		
Reviewed By:	A	12/05/16									
Chain of Cu		·									
	eals intact on sa	mple bottles?			Yes		No		Not Present	•	
2. Is Chain of	Custody comple	ete?			Yes	\checkmark	No		Not Present)	
3. How was t	he sample delive	ered?			Cour	er					
Log In											
4. Was an at	tempt made to o	cool the samples?	1		Yes	Ø	No		na []	נ	
5. Were all s	amples received	at a temperature	of >0° C to	8.0°C	Yes	V	No		NA 🗆]	
6. Sample(s)	in proper contai	iner(s)?			Yes	V	No				
7. Sufficient s	sample volume f	or indicated test(s	1)?		Yes	V	No				
8. Are sample	es (except VOA	and ONG) proper	ty preserved?	•	Yes	V	No				
9. Was prese	ervative added to	bottles?	•		Yes		No	V	NA []	
10.VOA vials	have zero heads	space?		•	Yes		No		No VOA Vials	3	
11. Were any	sample containe	ers received broke	en?		Yes		No	V	# of preserved		
40 p		Ma labala0			W		No		bottles checked for pH:		
	erwork match bot repancies on cha				Yes		No			2 or >12 unless noted)	
13. Are matric	es correctly iden	tified on Chain of	Custody?		Yes	\checkmark	No		Adjusted?		
14. Is it clear v	what analyses we	ere requested?			Yes	\mathbf{Z}	No				
	olding times able fy customer for a				Yes		No		Checked by	<u> </u>	
Special Han	dling (if app	licable)									
16.Was client	notified of all dis	screpancies with t	this order?		Yes		No		na 🗹]	
Pers	on Notified:			Date:				7			
By W	Vhom:		-	Via: [eMa		Phone [Fax	[] In Person		
Rega	arding:										
Ciler	nt Instructions:										
17. Additional	remarks:		···—-·			i	<u></u>		·····	J	
18. <u>Cooler in</u>		1. <u>=</u> "	2. 6 =		g 1,5	1 در در			•		
Cooler	No Temp C	Good Yes		eal No S	Seal Da	te	Signed	Ву			
<u>Ľ</u> .		163	: <u>_</u>	i					I		

Hall Environmental Analysis Laboratory, Inc.

WO#:

1612292

08-Dec-16

Client:

Blagg Engineering

Project:

Florance 58

Sample ID MB-29050

SampType: mblk

TestCode: EPA Method 300.0: Anions

Client ID:

PBS

Batch ID: 29050

RunNo: 39240

Prep Date: 12/7/2016

Analysis Date: 12/7/2016

SeqNo: 1228016

%REC LowLimit

Units: mg/Kg

HighLimit

%RPD **RPDLimit**

Qual

Analyte Chloride

Result PQL ND 1.5

Sample ID LCS-29050

SampType: Ics Batch ID: 29050 TestCode: EPA Method 300.0: Anions RunNo: 39240

Client ID: LCSS Prep Date: 12/7/2016

Analysis Date: 12/7/2016

SeqNo: 1228017

Units: mg/Kg

Analyte

SPK value SPK Ref Val %REC

LowLimit

HighLimit %RPD

RPDLimit

Qual

Result **PQL** 14 1.5

15.00

SPK value SPK Ref Val

94.9

90

110

Chloride

Oualifiers:

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

В Analyte detected in the associated Method Blank

Ε Value above quantitation range

Analyte detected below quantitation limits J

Sample pH Not In Range

Reporting Detection Limit

Sample container temperature is out of limit as specified

Page 11 of 17

Hall Environmental Analysis Laboratory, Inc.

WO#:

1612292

08-Dec-16

Client:

Blagg Engineering

Project:

Florance 58

Sample ID LCS-29043	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch	Batch ID: 29043			RunNo: 3	9207					
Prep Date: 12/7/2016	Analysis D	Analysis Date: 12/7/2016			SeqNo: 1	226819	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	45	10	50.00	0	90.0	62.6	124				
Surr: DNOP	3.8		5.000		76.4	70	130				
Sample ID MB-29043	SampT	ype: ME	BLK	Test	TestCode: EPA Method 8015M/D: Diesel Range Organics						

Sample ID MB-29043	SampT	ype: ME	BLK	TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch	1D: 29	043	F	RunNo: 3	9207				
Prep Date: 12/7/2016	Analysis D	ate: 12	2/7/2016	8	SeqNo: 1:	226821	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organi⇔ (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.2		10.00		82.3	70	130			

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 12 of 17

- 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#:

1612292

08-Dec-16

Client:

Blagg Engineering

Project: Florance	e 58									
Tioject. Tioranc									 	
Sample ID 100ng Ics	Samp1	ype: LC	S	Tes	tCode: E	PA Method	8260B: Vola	tiles Shor	List	
Client ID: LCSS	Batci	n ID: L3	9222	F	RunNo: 3	9222				
Prep Date:	Analysis D)ate: 12	2/7/2016	8	SeqNo: 1	227148	Units: mg/l	Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	109	70	130			
Toluene	0.97	0.050	1.000	0	97.0	70	130			
Surr: 1,2-Dichloroethane-d4	0.54		0.5000		108	70	130			
Surr: 4-Bromofluorobenzene	0.48		0.5000		96.0	70	130			
Surr: Dibromofluoromethane	0.53		0.5000		106	70	130			
Surr: Toluene-d8	0.47		0.5000	<u> </u>	93.1	70	130			
Sample ID rb	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8260B: Vola	tiles Shor	t List	
Client ID: PBS	Batcl	n ID: L3	9222	F	RunNo: 3	9222				
Prep Date:	Analysis D)ate: 12	2/7/2016	8	SeqNo: 1	227150	Units: mg/h	≺g		
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: 1,2-Dichloroethane-d4	0.52		0.5000		104	70	130			
Surr: 4-Bromofluorobenzene	0.47		0.5000		93.2	70	130			
Surr: Dibromofluoromethane	0.57		0.5000		114	70	130			
Surr: Toluene-d8	0.47		0.5000		93.3	70	130			
Sample ID 1612292-001ams	s SampT	ype: MS	3	Tes	tCode: El	PA Method	8260B: Vola	tiles Short	List	
Client ID: 5PC-NESW@3'-	5' Batch	1D: L3	9222	F	lunNo: 3	9222				
Prep Date:	Analysis D	ate: 12	2/7/2016	S	SeqNo: 1	227632	Units: mg/h	< g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	4.5	0.10	4.180	0.4735	95.7	49.2	155			
Toluene	4.2	0.21	4.180	0	100	52	154			
Surr: 1,2-Dichloroethane-d4	2.2		2.090		103	70	130			
Surr: 4-Bromofluorobenzene	1.6		2.090		74.6	70	130			
Surr: Dibromofluoromethane	2.0		2.090		96.3	70	130			
Surr: Toluene-d8	2.1		2.090		98.3	70	130			
Sample ID 1612292-001ams	•	ype: MS	SD.	Test	Code: El	PA Method	8260B: Vola	tiles Short	List	
Client ID: 5PC-NESW@3'-	5' Batch	1D: L3	9222	R	tunNo: 3	9222				
Prep Date:	Analysis D	ate: 12	77/2016	S	eqNo: 1	227633	Units: mg/k	(g		
Analyte	Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	4.3	0.10	4.180	0.4735	91.5	49.2	155	4.03	20	
Toluene	4.1	0.21	4.180	0	98.5	52	154	1.74	20	

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 13 of 17

P Sample pH Not In Range

RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

WO#:

1612292

08-Dec-16

Client:

Blagg Engineering

Project: Florance										
Sample ID 1612292-001amsd	SampT	ype: MS	SD	Tes	tCode: E	PA Method	8260B: Vola	tiles Shor	t List	
Client ID: 5PC-NESW@3'-5'	Batch	n ID: L3	9222	F	RunNo: 3	9222				
Prep Date:	Analysis D	ate: 12	2/7/2016	5	SeqNo: 1	227633	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	2.1		2.090		101	70	130	0	0	
Surr: 4-Bromofluorobenzene	1.5		2.090		73.0	70	130	0	0	
Surr: Dibromofluoromethane	1.9		2.090		92.3	70	130	0	0	
Surr: Toluene-d8	2.1		2.090		98.1	70	130	0	0	
Sample ID rb	SampT	ype: ME	BLK	Tes	tCode: E	PA Method	8260B: Vola	tiles Short	t List	
Client ID: PBS	Batch	ID: SL	.39223	F	RunNo: 3	9223				•
Prep Date:	Analysis D	ate: 12	2/7/2016	5	SeqNo: 1	227669	Units: mg/F	(g		
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: 1,2-Dichloroethane-d4	0.49		0.5000		98.0	70	130			
Surr: 4-Bromofluorobenzene	0.46		0.5000		92.4	70	130			
Surr: Dibromofluoromethane	0.52		0.5000		105	70	130			
Surr: Toluene-d8	0.50		0.5000		99.5	70	130			
Sample ID 100ng Ics	SampT	ype: LC	s	Tes	tCode: El	PA Method	8260B: Vola	tiles Short	List	
Client ID: LCSS	Batch	ID: SL	39223	F	RunNo: 3	9223				
Prep Date:	Analysis D	ate: 12	2/7/2016	S	SeqNo: 1	227670	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	108	70	130			
Toluene	1.1	0.050	1.000	0	106	70	130			
Surr: 1,2-Dichloroethane-d4	0.49		0.5000		97.9	70	130			
Surr: 4-Bromofluorobenzene	0.47		0.5000		94.4	70	130			
Surr: Dibromofluoromethane	0.48		0.5000		96.1	70	130			
Surr: Toluene-d8	0.48		0.5000		96.8	70	130			
Sample ID 1612292-009ams	SampT	ype: MS		Tes	Code: El	PA Method	8260B: Volat	tiles Short	List	
Client ID: 5PC-WEB@6'-8'	Batch	ID: SL	39223	F	tunNo: 3	9223				
Prep Date:	Analysis D	ate: 12	2/7/2016	S	eqNo: 1	227671	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	5.3	0.12	4.855	0	109	49.2	155			
Toluene	5.0	0.24	4.855	0	104	52	154			

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Surr: 1,2-Dichloroethane-d4

Surr: 4-Bromofluorobenzene

H Holding times for preparation or analysis exceeded

2.5

2.2

2.427

2.427

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

70

70

130

130

E Value above quantitation range

102

89.2

J Analyte detected below quantitation limits

Page 14 of 17

P Sample pH Not In Range

RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

WO#:

1612292

08-Dec-16

Client:

Blagg Engineering

Project:

Florance 58

Sample ID 1612292-009ams

SampType: MS

TestCode: EPA Method 8260B: Volatiles Short List

70

70

Client ID:

5PC-WEB@6'-8' Batch ID: SL39223 RunNo: 39223

Prep Date:

SeqNo: 1227671

Units: mg/Kg

Analysis Date: 12/7/2016

HighLimit

Analyte

Result **PQL** 2.4 2.3

SPK value SPK Ref Val 2.427

2.427

%REC LowLimit 99.4

130

%RPD

Qual

Sample ID 1612292-009amsd

SampType: MSD

TestCode: EPA Method 8260B: Volatiles Short List

RPDLimit

Surr: Dibromofluoromethane

Batch ID: SL39223

RunNo: 39223

93.6

Client ID: 5PC-WEB@6'-8'

Surr: Toluene-d8

Prep Date:	Analysis [Date: 12	2/7/2016	S	SeqNo: 1	227672	Units: mg/F	/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	5.3	0.12	4.855	0	109	49.2	155	0.129	20		
Toluene	4.9	0.24	4.855	0	100	52	154	3.55	20		
Surr: 1,2-Dichloroethane-d4	2.5		2.427		102	70	130	0	0		
Surr: 4-Bromofluorobenzene	2.1		2.427		86.2	70	130	0	0		
Surr: Dibromofluoromethane	2.5		2.427		101	70	130	0	0		
Surr: Toluene-d8	2.2		2.427		91.5	70	130	0	0		

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

Ε Value above quantitation range

Analyte detected below quantitation limits

Sample pH Not In Range RL Reporting Detection Limit

Sample container temperature is out of limit as specified

Page 15 of 17

Hall Environmental Analysis Laboratory, Inc.

WO#:

1612292 08-Dec-16

Client: Blagg Engineering Florance 58 Project: Sample ID rb SampType: MBLK TestCode: EPA Method 8015D Mod: Gasoline Range Client ID: Batch ID: **G39222** PBS RunNo: 39222 Prep Date: Analysis Date: 12/7/2016 SeqNo: 1227171 Units: mg/Kg SPK value SPK Ref Val %REC %RPD **RPDLimit** Qual Result **PQL** LowLimit HighLimit Analyte Gasoline Range Organics (GRO) ND 5.0 Surr: BFB 400 500.0 80.2 70 130 Sample ID 1612292-001AM TestCode: EPA Method 8015D Mod: Gasoline Range SampType: MS Client ID: 5PC-NESW@3'-5' Batch ID: G39222 RunNo: 39222 Prep Date: Analysis Date: 12/7/2016 SeqNo: 1227623 Units: mg/Kg SPK value SPK Ref Val %REC LowLimit %RPD **RPDLimit** Analyte Result PQL HighLimit Qual Gasoline Range Organics (GRO) 1400 21 104.5 1381 11.4 52.3 132 S Surr: BFB 2500 2090 120 70 130 Sample ID 1612292-001AMSD SampType: MSD TestCode: EPA Method 8015D Mod: Gasoline Range Client ID: 5PC-NESW@3'-5' Batch ID: G39222 RunNo: 39222 Prep Date: Analysis Date: 12/7/2016 SeqNo: 1227624 Units: mg/Kg Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 1400 104.5 1381 -28.5 132 3.04 S 52.3 20 Surr: BFB 2200 2090 106 70 130 0 O TestCode: EPA Method 8015D Mod: Gasoline Range Sample ID 2.5ug gro Ics SampType: LCS Client ID: LCSS Batch ID: G39222 RunNo: 39222 Prep Date: Analysis Date: 12/7/2016 SeqNo: 1227625 Units: mg/Kg Analyte PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 5.0 25.00 62 9 23 92.4 123 Surr: BFB 420 500.0 83.7 70 130 Sample ID rb SampType: MBLK TestCode: EPA Method 8015D Mod: Gasoline Range Client ID: PBS Batch ID: G39223 RunNo: 39223 Prep Date: Analysis Date: 12/7/2016 SeqNo: 1227689 Units: mg/Kg Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual ND 5.0 Gasoline Range Organics (GRO) Surr: BFB 470 500.0 94.5 70 130 TestCode: EPA Method 8015D Mod: Gasoline Range Sample ID 2.5ug gro Ics SampType: LCS Client ID: LCSS Batch ID: G39223 RunNo: 39223

Qualifiers:

Analyte

Prep Date:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

Analysis Date: 12/7/2016

PQL

Result

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

Units: mg/Kg

%RPD

HighLimit

E Value above quantitation range

J Analyte detected below quantitation limits

SeqNo: 1227690

Page 16 of 17

RPDLimit

Qual

P Sample pH Not In Range

SPK value SPK Ref Val %REC LowLimit

RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

WO#:

1612292

08-Dec-16

Client:

Blagg Engineering

Project:

Florance 58

Sample ID 2.5ug gro ics	Sample ID 2.5ug gro Ics SampType: LCS					TestCode: EPA Method 8015D Mod: Gasoline Range							
Client ID: LCSS	Batch	n ID: G3	9223	F	RunNo: 3	9223							
Prep Date:	alysis Date: 12/7/2016				227690	Units: mg/h	(g						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Gasoline Range Organics (GRO)	24	5.0	25.00	0	97.4	62.9	123						
Surr: BFB	490		500.0		98.5	70	130						

Sample ID 1612292-008ams SampType: MS TestCode: EPA Method 8015D Mod: Gasoline Range Client ID: 5PC-ENSW@2'-6' Batch ID: G39223 RunNo: 39223 Prep Date: SeqNo: 1227691 Analysis Date: 12/7/2016 Units: mg/Kg SPK value SPK Ref Val %REC Analyte Result LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 64 8.1 40.52 32.35 78.0 52.3 132 Surr: BFB 820 810.4 101 70 130

Sample ID 1612292-008amsd SampType: MSD TestCode: EPA Method 8015D Mod: Gasoline Range Client ID: 5PC-ENSW@2'-6' Batch ID: G39223 RunNo: 39223 Prep Date: Analysis Date: 12/7/2016 SeqNo: 1227692 Units: mg/Kg Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 62 8.1 40.52 32.35 73.9 52.3 132 2.67 20 Sur: BFB 780 810.4 95.8 70 130 0 0

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 17 of 17

P Sample pH Not In Range

RL Reporting Detection Limit



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

Sample Log-In Check List

LABORATORY	Website: www.ha	llenviro	nmenta	il.com ·		
Client Name: BLAGG	Work Order Number:	16122	92	···-	Rcpt	No: 1
Received by/date:	12/07/16					
Logged By: Lindsay Mangin	12/7/2016 8:25:00 AM			July Hilly Co		
Completed By: Lindsay Marigin_	12/7/2016 ₄ 8:34:28 AM			And Helper		
Reviewed By:	12/07/11			000		
Chain of Custody	1010111		··· -·- ·-			I
1. Custody seals intact on sample bottles?		Yes		No □	Not Present	Ž
2. Is Chain of Custody complete?		Yes	V	No 🗀	Not Present (¨.]
3. How was the sample delivered?		Cour	<u>ier</u>			
<u>Log In</u>						
4. Was an attempt made to cool the samples	?	Yes	Ø	No 🗀	NA	
5. Were all samples received at a temperature	e of >0° C to 6.0°C	Yes	Ÿ	No 🗀	NA (٦
6. Sample(s) in proper container(s)?		Yes	V	No 🗆		
7. Sufficient sample volume for indicated test	(s)?	Yes	№	No 🗔		
8. Are samples (except VOA and ONG) prope	rity preserved?	Yes		No 🗀		
9. Was preservative added to bottles?		Yes		_ No 🗹	NA [
10.VOA vials have zero headspace?		Yes	Γ]	No 🗀	No VOA Viats	Ŋ
11. Were any sample containers received brok	en?	Yes		No 🗹	# of preserved bottles checked	
12.Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes	Ø	No 🗆	for pH:	<2 or >12 unless noted
13. Are matrices correctly identified on Chain o	f Custody?	Yes	V	No 🗆	Adjusted?	· · · · · · · · · · · · · · · · · · ·
14, is it clear what analyses were requested?		Yes		. No [.]	Ohadiad b	
15. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes	Ø	No I. J	Checked b	ny.
Special Handling (if applicable)						
16. Was client notified of all discrepancies with	this order?	Yes	Ľ3	No □	NA	À
Person Notified:	Date:					
By Whom:	Via: [_] eMa	u []	Phone Fax	In Person	
Regarding:						
Client Instructions:						
17. Additional remarks:						'
18. <u>Cooler Information</u>						
Cooler No Temp °C Condition S		Seal Da	ite	Signed By		
1 3.3 Good Ye	8		L			

Hall Environmental Analysis Laboratory, Inc.

WO#:

1612497

12-Dec-16

Client:

Blagg Engineering

Project:

Florance 58

Sample ID MB-29104

SampType: MBLK

TestCode: EPA Method 300.0: Anions

Client ID: **PBS** Prep Date: 12/9/2016

Sample ID LCS-29104

Batch ID: 29104 Analysis Date: 12/9/2016 RunNo: 39301

SeqNo: 1230101

Units: mg/Kg

Analyte

Result

SPK value SPK Ref Val %REC LowLimit PQL

HighLimit %RPD

RPDLimit

Qual

Chloride

ND 1.5

SampType: LCS

TestCode: EPA Method 300.0: Anions RunNo: 39301

Prep Date: 12/9/2016

Client ID: LCSS

Batch ID: 29104

Analysis Date: 12/9/2016

SeqNo: 1230102

Units: mg/Kg

%RPD

Analyte

Result

PQL SPK value SPK Ref Val 1.5

%REC 96.5

RPDLimit

Chloride

14

15.00

90

HighLimit 110

Qual

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

RPD outside accepted recovery limits

% 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

Sample pH Not In Range

RL Reporting Detection Limit

Sample container temperature is out of limit as specified

Page 2 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#:

1612497

12-Dec-16

Client:

Blagg Engineering

Project:

Florance 58

Sample ID LCS-29095	SampT	ype: LC	s	TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch	ID: 29	095	R	RunNo: 3	9269					
Prep Date: 12/9/2016	Analysis D	ate: 12	2/9/2016	SeqNo: 1229305			Units: mg/k	(g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	49	10	50.00	0	97.1	62.6	124				
Surr: DNOP	4.8		5.000		95.9	70	130				

Sample ID MB-29095	SampT	ype: ME	BLK	TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch	ID: 29 0	095	F	RunNo: 3	9269				
Prep Date: 12/9/2016	Analysis D	ate: 12	2/9/2016	8	SeqNo: 1	229306	Units: mg/H	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		109	70	130			

Sample ID 1612497-001AM	is Samp?	Type: MS	\$	TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: Extended NE V	Vall 5 Batcl	h ID: 29	095	F	RunNo: 3	9269					
Prep Date: 12/9/2016	Analysis D	Date: 12	2/9/2016	SeqNo: 1229449 Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	170	9.3	46.51	143.4	48.7	51.6	130			s	
Surr: DNOP	4.7		4.651		100	70	130				

Sample ID 1612497-001AM	SD SampT	ype: MS	SD	TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: Extended NE W	all 5 Batch	1D: 29	095	F	RunNo: 3	9269					
Prep Date: 12/9/2016	2/9/2016	S	SeqNo: 1	229450	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	190	9.3	46.60	143.4	89.3	51.6	130	10.8	20		
Surr: DNOP	4.8		4.660		103	70	130	0	0		

Qualifiers:

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

В Analyte detected in the associated Method Blank

Ε Value above quantitation range

Analyte detected below quantitation limits

Page 3 of 5

Sample pH Not In Range

Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

WO#:

1612497

12-Dec-16

Client:

Blagg Engineering

Project:

Florance 58

Sample ID MB-29078

SampType: MBLK

PQL

5.0

TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS

Batch ID: 29078

RunNo: 39283

Prep Date: 12/8/2016

Analysis Date: 12/9/2016

SeqNo: 1229674

Units: mg/Kg

144

RPDLimit

Gasoline Range Organics (GRO) Sur: BFB

Result ND 860

1000

SPK value SPK Ref Val

%REC LowLimit HighLimit

%RPD

Qual

Sample ID LCS-29078

SampType: LCS

TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS

Batch ID: 29078

RunNo: 39283

85.7

Prep Date: 12/8/2016

Analysis Date: 12/9/2016

5.0

SeqNo: 1229675

Units: mg/Kg

Analyte Gasoline Range Organics (GRO) **PQL**

25.00

SPK value SPK Ref Val %REC

0

91.9 74.6

%RPD **RPDLimit** Qual

Page 4 of 5

Surr: BFB

23 920

Result

1000

92.3

68.3

LowLimit

68.3

123 144

HighLimit

Qualifiers:

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

Analyte detected in the associated Method Blank

Е Value above quantitation range

Reporting Detection Limit

Analyte detected below quantitation limits J

Sample pH Not In Range

Hall Environmental Analysis Laboratory, Inc.

WO#:

1612497

12-Dec-16

Client:

Blagg Engineering

Project:

Florance 58

Sample ID MB-29078	SampType: MBLK			Tes	tiles					
Client ID: PB\$	Batcl	Batch ID: 29078			tunNo: 3	9283				
Prep Date: 12/8/2016	Analysis D	Date: 12	2/9/2016	S	SeqNo: 1	229693	Units: mg/K	(g		
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	0.95		1.000		94.5	80	120			

Sample ID LCS-29078	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						•
Client ID: LCSS	Batch ID: 29078			RunNo: 39283						
Prep Date: 12/8/2016	Analysis Date: 12/9/2016		SeqNo: 1229694			Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	1.000	0	91.9	75.2	115			
Toluene	0.95	0.050	1.000	0	95.1	80.7	112			
Ethylbenzene	0.95	0.050	1.000	0	94.6	78.9	117			
Xylenes, Total	2.9	0.10	3.000	0	95.4	79.2	115			
Surr: 4-Bromofluorobenzene	0.98		1.000		98.5	80	120			

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 5



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallervironmental.com

Sample Log-In Check List

Client Name: BLAGG	Work Order Number	er: 1612497		RcptNo: 1
Received by/date:	12/09	1/14		
Logged By: Ashley Gallegos	12/9/2016 8:20:00 AI	M	A	
Completed By: Ashley Gallegos	12/9/2016 8:25:11 ĄI	М	- A-7	
Reviewed By:	12/09/	100	V	
Chain of Custody		·Ψ		
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			
<u>Log In</u>				
4. Was an attempt made to cool the samp	oles?	Yes 🗸	N o . :	NA
5. Were all samples received at a tempera	ature 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 t	est(s)?	Yes 🗸	No : ;	
8. Are samples (except VOA and ONG) pr	operly preserved?	Yes 🗸	No	
9. Was preservative added to bottles?	Yes i	No 🗸	NA	
10.VOA viats have zero headspace?		Yes	No :	No VOA Vials
11. Were any sample containers received to	Yes	No 🗸	# of preserved	
40.5				bottles checked
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody	Yes ✔	No : i	for pH: (<2 or >12 unless noted)	
13. Are matrices correctly identified on Cha	Yes 🗸	No [!]	Adjusted?	
14. Is it clear what analyses were requested	Yes 🗸	No ' ;		
15. Were all holding times able to be met? (If no, notify customer for authorization.))	Yes ✔:	No :	Checked by:
Special Handling (if applicable)				
16. Was client notified of all discrepancies v	vith this order?	Yes	No [!]	NA 🗸
Person Notified:	Date	par e en arresta della sellate	are the same of th	
By Whom:	Via:	eMail I	Phone Fax	In Person
: Regarding:	Marie de Conta de Marie Conta de La Contación de Contació			2) EMBOGIE odrop Berek
Client Instructions:		Marie and and other production of the Control of th		dili ili ili da salika ili ili ili ili ili ili ili ili ili il
17. Additional remarks:			•	
18. Cooler Information Cooler No Temp °C Condition 1 1.0 Good	Seal Intact Seal No Yes	Seal Date	Signed By	