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

Oil Conservation Division 1220 South St. Francis Dr.

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Form C-141

Revised August 8, 2011

1220 South St. Francis Dr. Santa Fe, NM 87505

<u> </u>	~ ~		Rele	ease Notifi	ication	and Co	rrective A	ction				
30045	5-09	376				OPERA	ГOR	Ľ] Initia	al Report	\boxtimes	Final Report
Name of C	ompany: B	P				Contact: Jef	f Peace					
Address: 20	00 Energy	Court, Farmi	ington, N	M 87401	······	Telephone 1	No.: 505-326-94	479				
Facility Na	me: Floran	ice O-20				Facility Typ	e: Natural gas y	well			·····	
Surface Ow	vner: Feder	al		Mineral	Owner: I	Federal			API No	. 3004093	76	
				LOC	ATION	N OF RE	LEASE					
Unit Letter B	Section 24	Township 30N	Range 9W	Feet from the 990	North/ North	South Line	Feet from the 1,650	East/We East	est Line	County: S	an Juan	
		Lat	titude3	36.8012		Longitude	107.72802					
				NA	TURE	OF REL	EASE					
Type of Rele	ease: conder	isate				Volume of	Release: 85 bbl o	of V	Volume F	Recovered:	53 bbl c	ondensate
Source of Re	elease: ball	valve on drain	line from	condensate tank	:	Date and H 10/2/2013;	lour of Occurrence 4:00 PM		Date and 4:00 PM	Hour of Dis	scovery:	10/2/2013;
Was Immedi	iate Notice (Given?	Yes 🗌] No 🔲 Not I	Required	If YES, To	Whom? Brandor	n Powell				
By Whom?	Courtney C	ochran				Date and H	our: 10/3/2013; 8	8:00 AM		1.**•		
Was a Water	rcourse Rea	ched?	Yes 🛛] No		If YES, Vo	lume Impacting	the Watero	ourse.	DIV DIST	. 3	
Describe Ca sale. During the condensa	use of Prob g the remove ate tank to e	lem and Reme al of the bull p mpty into the	dial Actio lug from bermed co	n Taken.* SSS t the drain valve, ontainment area.	ruck drive the driver The trucl	er was on loca did not realized driver was a	ation to pull wate the ball valve v able to recover 53	r from the was comin 3 bbl of co	condensa g apart, v ndensate.	ate tank to revealed a state tank to revealed a state tank to reveale tank to reveale tank to reveale tank to r	eady coned the consolid was	ndensate for ontents of excavated.
Describe Ard cubic yards of backfilled w I hereby cert regulations a public health should their or the enviro federal, state	ea Affected of impacted ith clean fil tify that the all operators n or the envi operations I onment. In a 2, or local la	and Cleanup , soil was taken I material. Su information gr are required t ronment. The ave failed to a addition, NMC ws and/or regr	Action Tal to IEI lar bsequent iven above o report ar acceptane acceptane acceptane DCD acceptane ulations.	ken.*Impacted s hdfarm for treatr soil analyses sho is true and com- ind/or file certain ce of a C-141 re- investigate and otance of a C-14	oil was ex ment. Exp powed TPH polete to the release no port by the I remediate I report de	cavated and bosed sandsto below 100 p be best of my otifications a e NMOCD m e contaminations of the the the bose not relieved	removed to the sa ne bedrock surfac pm. knowledge and to nd perform correct arked as "Final R on that pose a thu e the operator of	understand ctive action Report" doo reat to grou responsibi	edrock su s treated that purs ns for relies not reliund water lility for c	urface. App with hydrog suant to NM eases which ieve the ope r, surface w ompliance w	IOCD ru may er rator of ater, hur with any	ely 184 oxide, then ules and idanger 'liability man health o ther
Signatura	alt	Page					OIL CON	SERVA	TION	DIVISIO	<u>) N</u>	
Printed Nam	JFV ne: Jeff Peac	ce				Approved by	Environmental S	Specialist.	prot	A) le	lly_	
Title: Area I	Environmen	tal Advisor				Approval Da	te: 9/8/201	4 – Е,	() opiration	Date:	\bigcirc	
E-mail Addı	ress: peace.j	effrey@bp.co	<u>m</u>			Conditions o	f Approval:			Attached	1 🗖	
Date: June	6, 2014	Р	hone: 505	-326-9479								

nJR1425152668

58

* Attach Additional Sheets If Necessary

BP AMERICA PRODUCTION COMPANY

FLORANCE O #20 – PRODUCTION TANK RELEASE API #: 3004509376 Legal Description: (Unit Letter B, Sec. 24, T30N, R9W, NMPM)

CHRONOLOGICAL EVENT SUMMATION

- 1. October 2, 2013 (Wednesday): Approximately 85 barrels (bbl) of fluid (produced water and/or condensate) were release from a 100 bbl production tank. Approximately 53 bbls of condensate was recovered within the steel containment ring surrounding the tank.
- 2. October 4, 2013 (Friday): Blagg Engineering, Inc. (BEI) was contacted and informed of the release.
- 3. October 7, 2013 (Monday): BEI arrived on site to collect limited sampling and field measurements. Surface stained area within the steel containment ring displayed a relatively small areal extent (15 ft. diameter). The earthen material beneath the containment ring appeared to have been breached in 2 separate points; 1) west-northwest of the production tank and 2) near the northern quadrant (see Figure 1 & 3). A total of 3 samples were submitted to Hall Environmental Laboratory for testing.
- 4. November 21, 2013 (Thursday): BEI conducted technical support in the initial cleanup via excavation of the impacted soils within the containment ring.
- 5. November 22, 2013 (Friday): Snow accumulated overnight and in the morning hours causing unsafe surface conditions to proceed with the cleanup effort. The following work week continued to possess poor surface conditions created by the inclement weather. Due to this, the cleanup effort was postponed until after the Thanksgiving holiday.
- 6. December 2, 2013 (Monday): BEI conducted technical support in the continuation of the cleanup effort both on & off site.
- 7. December 5, 2013 (Thursday): BEI confirms through Industrial Ecosystem Inc. (IEI) that 184 cubic yards of soil was transported to BP's Crouch Mesa Facility from the site cleanup activity.
- 8. December 12, 2013 (Thursday): BEI & BP received final lab reports for samples collected on 12/02/2013.
- 9. March 6, 2014 (Thursday): BEI applies 5 gallons each to Trench 2 and Trench 3 surface areas.
- 10. April 24, 2014 (Thursday): BEI collects composite samples from Trench 2 and Trench 3 surface areas.
- 11. May 9, 2014 (Friday): BEI and BP receive final lab reports for samples collected 4/24/2014.







BP AMERICA PRODUCTION COMPANY Florance O # 20 - (Production Tank Release) Unit Letter B, Section 24, T30N, R9W - APJ Number: 30-045-09376

SAMPLE ID & MAP NUMBER OR SAI		SAMPLE DATE	SAMPLE TIME	SAMPLING	FIELD OVM	TPH -	Benzene	BTEX -	Soil Description / Comments
LETTER DESIGNATIO	N			COLLECTION	READING	cumulative		cumulative	
		10/07/10	110.5		(ppm)	(ppm)	(ppm)	(ppm)	
1@12"	1	10/07/13	1426	GRAB	62	ND	ND	0.41	DYB silty sand, cohesive, firm, moist, slight hydrocarbon (<u>HC</u>) odor detected
2 @ 12"	2	10/07/13	1437	GRAB	201	6,180	5.3	425.3	DYO sand phasing to sandstone, non cohesive, loose to dense, strong HC odor detected
3@11"	3	10/07/13	1443	GRAB	74	6.8	ND	1.68	DYO sand, non cohesive, loose to firm, slight HC odor detected
TH -1 @ 2.5'		11/21/13	1137	GRAB	13.2	ND	ND	ND	PYO sand, non cohesive, firm, slightly moist, no apparent HC odor detected
EB - POR @ 3'		11/21/13	1158	GRAB	48.2	ND	ND	ND	PYO sand, non cohesive, firm, slightly moist, slight HC odor detected
EB - 3 @ 3.5'	3	11/21/13	1201	GRAB	191	NA	NA	NA	PYO sand, non cohesive, firm, slightly moist, apparent HC odor detected
EB - 4 @ 2'	4	11/21/13	1225	GRAB	282	NA	NA	NA	DYB silty sand, cohesive, firm, moist, strong HC odor detected
EB - 5 @ 3'	5	11/21/13	1236	GRAB	86	ND	ND	ND	2 pt. composite lab sample, DYO sand to silty sand, non cohesive, firm, slightly moist,
EB - 6 @ 3'	6	11/21/13	1248	GRAB	95.1		ND	ND	slight HC odor detected
EB - 7 @ 3'	7	11/21/13	1251	GRAB	288	NA	NA	NA	DYB silty sand, cohesive, firm, moist, strong HC odor detected
EB - 8 @ 3.5'	8	11/21/13	1436	GRAB	190.6	NA	NA	NA	PYO sand, non cohesive, firm, slightly moist, apparent HC odor detected
EB - 3 @ 5'	3	11/21/13	1445	GRAB	24.6	ND	ND	ND	PYO sand, non cohesive, firm, slightly moist, no apparent HC odor detected
EB - 8 @ 5'	8	11/21/13	1500	GRAB	29.2	11	ND	ND	PYO sand, non cohesive, firm, slightly moist, no apparent HC odor detected
EB - 4 @ 4'	4	11/21/13	1505	GRAB	141	NA	NA	NA	PYO sand, non cohesive, firm, slightly moist, apparent HC odor detected
EB - 7 @ 5'	7	11/21/13	1513	GRAB	225	NA	NA	NA	PYO sand, non cohesive, firm, slightly moist, strong HC odor detected
EB - 7 @ 6'	7	11/21/13	1527	GRAB	63.4				2 pt. composite lab sample, DYO sand to silty sand, non cohesive, firm, slightly moist, no
EB - 4 @ 6'	4	11/21/13	1531	GRAB	25.5	1 1/	ND	NU	apparent HC odor detected
EB - 10 @ 7'	10	12/02/13	0945	GRAB	2.6	NA	NA	NA	PYO sandstone, course grained, competent, dry, no apparent HC odor detected
SW - 9 @ 5.5'	9	12/02/13	0950	GRAB	43.0	NA	NA	NA	DYB silty sand to silt, cohesive, firm, dry to slightly moist, no apparent HC odor detected
EB - 3 @ 7'	3	12/02/13	1144	GRAB	0.0	NA	NA	NA	PYO sandstone, course grained, competent, dry, no apparent HC odor detected
TR1 - 2' @ 3'		12/02/13	1023	GRAB	175	NA .	NA	NA	PYO sand, non cohesive, firm, slightly moist, apparent HC odor detected
TR1 - 5' @ 1'		12/02/13	1029	GRAB	321	NA	NA	NA	PYO sand, non cohesive, firm, slightly moist, strong HC odor detected
TR1 - 8' @ 1'		12/02/13	1031	GRAB	477	NA	NA	NA	PYO sand, non cohesive, firm, slightly moist, HC odor detected
TR1 - 11' @ 1'		12/02/13	1032	GRAB	122	NA	NA	NA	PYO sand, non cohesive, firm, slightly moist, HC odor detected
TR1 - 14' @ 1'		12/02/13	1033	GRAB	30.2	NA	NA	NA	PYO sand, non cohesive, firm, slightly moist, no apparent HC odor detected
TR1 - 17' @ 1'		12/02/13	1035	GRAB	12.0	NA	NA	NA	PYO sand, non cohesive, firm, slightly moist, no apparent HC odor detected
TR1 - 20' @ 1'		12/02/13	1037	GRAB	2.4	NA	NA	NA	PYO sand, non cohesive, firm, slightly moist, no apparent HC odor detected
TR1 - 23' @ 1'		12/02/13	1039	GRAB	4.0	NA	NA	NA	PYO sand, non cohesive, firm, slightly moist, no apparent HC odor detected
TR1 - 26' @ 1'		12/02/13	1041	GRAB	463	NA	NA	NA	PYO sand, non cohesive, firm, slightly moist, strong HC odor detected
TR1 - 29' @ 1'		12/02/13	1043	GRAB	53.3	NA	NA	NA	PYO sand, non cohesive, firm, slightly moist, slight apparent HC odor detected
TR2 - 2' @ 1'		12/02/13	1208	GRAB	3.3	pending	pending	pending	PYO sand, non cohesive, firm, slightly moist, no apparent HC odor detected
TR2 - 6'@1'		12/02/13	1209	GRAB	250		· · · · · · · · · · · · · · · · · · ·		
TR2 - 10' @ 1'		12/02/13	1210	GRAB	418				
TR2 - 14' @ 1'		12/02/13	1211	GRAB	22.0	pending	pending	pending	5 pt. composite lab sample, PYO sand, non cohesive, slightly moist, strong HC odor
TR2 - 18' @ 1'		12/02/13	1212	GRAB	358	1 -			detected except in TR2 - 14' @ 1' (no apparent)
TR2 - 22' @ 1'		12/02/13	1213	GRAB	260	1			
TR2 - 26' @ 1'		12/02/13	1214	GRAB	23.6	pending	pending	pending	PYO sand, non cohesive, firm, slightly moist, no apparent HC odor detected
TR2 - 30' @ 1'		12/02/13	1215	GRAB	45.3	NA	NA	NA	PYO sand, non cohesive, firm, slightly moist, slight HC odor detected
TR2 - 34' @ 1'		12/02/13	1216	GRAB	30.1	NA	NA	NA	PYO sand, non cohesive, firm, slightly moist, no apparent HC odor detected
					100	400			
	INIVIC	JUD KELEASE C	LUSUKE STANL	JARDO (SOUS) -	1 100	1 100	10 10	1 50	

BP AMERICA PRODUCTION COMPANY

Florance O # 20 - (Production Tank Release)

Unit Letter B, Section 24, T30N, R9W - API Number: 30-045-09376

SAMPLE ID & MAP NUMBER OR	SAMPLE DATE	SAMPLE TIME	SAMPLING	FIELD OVM	TPH -	Benzene	BTEX -	Soil Description / Comments
LETTER DESIGNATION			COLLECTION	READING	cumulative		cumulative	
				(ppm)	(ppm)	(ppm)	(ppm)	
TR3 - 2' @ 1'	12/02/13	1252	GRAB	8.3	NA	NA	NA	PYO sand, non cohesive, firm, slightly moist, no apparent HC odor detected
TR3 - 6' @ 1'	12/02/13	1253	GRAB	29.1	pending	pending	pending	PYO sand, non cohesive, firm, slightly moist, no apparent HC odor detected
TR3 - 10' @ 1'	12/02/13	1254	GRAB	352	nending	nending	nonding	2 pt. composite lab sample, PYO sand, non cohesive, slightly moist, strong HC odor
TR3 - 14' @ 1'	12/02/13	1256	GRAB	243	pending	pending	pending	detected
TR3 - 18' @ 1'	12/02/13	1257	GRAB	45.3	pending	pending	pending	PYO sand, non cohesive, firm, slightly moist, slight HC odor detected
TR3 - 22' @ 1'	12/02/13	1258	GRAB	20.3	NA	NA	NA	PYO sand, non cohesive, firm, slightly moist, no apparent HC odor detected
TR3 - 26' @ 1'	12/02/13	1259	GRAB	11.8	NA	NA	NA	PYO sand, non cohesive, firm, slightly moist, no apparent HC odor detected
TR3 - 30' @ 1'	12/02/13	1300	GRAB	3.7	NA	NA	NA	PYO sand, non cohesive, firm, slightly moist, no apparent HC odor detected
TR3 - 34' @ 1'	12/02/13	1301	GRAB	2.9	NA	NA	NA	PYO sand, non cohesive, firm, slightly moist, no apparent HC odor detected
NMC	OCD RELEASE CL	OSURE STAND	ARDS (soils) - [100	100	10	50]

Notes:

OVM -	Organic vapor meter or	photo-ionization detector (PID)
U • • • • •	organite tapor material	

TPH - Total petroleum hydrocarbons by US EPA Method 8015B.

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

DYO - Dark yellowish orange

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

OVM CALIBRATION: <u>RESPONSE FACTOR = 0.52 or 1.00</u>, CALIBRATION GAS - 100 ppm ISOBUTYLENE.

_						_
1	DVM	CALIBR	ATION	D,	ΑΤΑ	

DATE	TIME	READING
10/07/13	1131	52.3
11/21/13	1140	53.3

	10141	I KEADING
12/02/13	1051	52.7

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

ND - Not detected at Reporting Limit.

DYB - Dark yellowish brown

NMOCD - New Mexico Oil Conservation Division.

Trench 2: 5-point composite at 24" depth (on sandstone surface) on 4/24/2014: TPH = 82 ppm

Trench 3: 2-point composite at 18" depth (on sandstone surface) on 4/24/2014: TPH = 30 ppm

C	hain-c	of-Cus	tody Record	Turn-Around T	ime:	5 DAY				×				R I 1	/	~~				-		
Client:	BLAG	G ENGR.	/ BP AMERICA	Standard	☑ Rush	COMPLETE BY 12/11/2013				r L	1A M	LL Aí	E Y	V VI Ste	(11 2:1		RO		:IN Ат	1:A 01	.∟ 2¥	,
	·····			Project Name:					ſ.	-	NW.	w ha	• • •	viro	nme	ental	con	1				
Mailing Ad	ddress:	P.O. BO	K 87	FI	LORANCE O	# 20	4901 Hawkins NE - Albuquerque, NM 87109															
		BLOOM	FIELD, NM 87413	Project #:				Τe	el. 50	05-345-3975 Fax 505-345-4107												
Phone #:		(505) 63	2-1199						efe și		lan y		\nal	ysis	Re	ques	sť	j1 wr.	5	ม า ทะส์ จั		4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
email or F	email or Fax#:				jer:																	
QA/QC Package:			Level 4 (Full Validation)	ŕ	NELSON VI	ELEZ	21B)	(Aluo	only)			S)		04,SO	PCB's			er - 300.				
Accreditat	tion:			Sampler:	Sampler: NELSON VELEZ			Gas	RO M	,	1)	SIM		O ₂ , P	082	-		wate		mple	mpl€	
	þ	D Other		On Ice:	□ Yes			LPH (ID / 0	118. 1	504.	3270		03,N	s / 8		(A	0.00		e sai	e sai	Î
🗆 EDD (1	Гуре)			Sample Temp	erature:			+ 	(GRC	z bo	j po	or 8	etals	NX 1	cide	Â	-VO	il - 3(e	osit	osit	۱0 <u>/</u>
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX + -MTE	BTEX + MTB	TPH 8015B	TPH (Meth	EDB (Meth	PAH (8310	RCRA 8 Me	Anions (F,0	8081 Pesti	8260B (VO	8270 (Sem	Chloride (so	Grab samp	2 pt. comp	5 pt. comp	Air Bubbles
12/2/13	0950	SOIL	SW - 9 @ 5.5'	4 oz 1	Cool		V		٧									V	V	\square		
12/2/13	0945	SOIL	EB - 10 @ 7'	4 oz 1	Cool		V		V									V	V			
12/2/13	1144	SOIL	EB - 3 @ 7'	4 oz 1	Cool		٧		٧									V	V			
12/2/13	1208	SOIL	TR2 - 2' @ 1'	4 oz 1	Cool		۷		۷									۷	V			
12/2/13	1214	SOIL	TR2 - 26' @ 1'	4 oz 1	Cool		٧		۷									۷	V			
12/2/13	1213	SOIL	TR2 - (6'-22') @ 1'	4 oz 1	Cool		۷		۷									۷			V	
12/2/13	1253	SOIL	TR3 - 6' @ 1'	4 oz 1	Cool		۷		۷						_			۷	V			
12/2/13	1257	SOIL	TR3 - 18' @ 1'	4 oz 1	Cool		۷		۷									V	V			
12/2/13	1256	SOIL	TR3 - (10'-14') @ 1'	4 oz 1	Cool		<u>v</u>		۷									۷		V		
															Γ							
Date:	Time:	Relinquish	ed by:	Received by:		Date Time	Rer	nark	s:						•							
12/4/13			Meta Vy-				Se	nd ir	nvoid	e to	: Ria	100 F	ngin	oorir	no lr)r						
Date:	Time:	Relinquish	ed by:	Received by:		Date Time					P.C Blc	oss ⊏ D. Bo pomf	x 87 ield,	NM	יי <i>ס</i> י 874	13						

Analytical Report Lab Order 1310451

Date Reported: 10/16/2013

Hall Environmental Analysis Laboratory, Inc.

Analyses		Result	RL Qual	Units	DF Date Analyzed	Batch
Lab ID:	1310451-001	Matrix: S	OIL	Received	Date: 10/9/2013 10:00:00 AM	
Project:	Florance "O" 20			Collection	Date: 10/7/2013 2:26:00 PM	
CLIENT:	Blagg Engineering		(Client Samp	le ID: #1 @ 12"	

ORGANICS				Analyst: BCN
ND	10	mg/Kg	1	10/11/2013 5:02:57 PM 9754
103	63-147	%REC	1	10/11/2013 5:02:57 PM 9754
NGE				Analyst: NSB
ND	4.9	mg/Kg	1	10/10/2013 11:01:43 PM 9739
103	80-120	%REC	1	10/10/2013 11:01:43 PM 9739
				Analyst: NSB
ND	0.049	mg/Kg	1	10/10/2013 11:01:43 PM 9739
0.055	0.049	mg/Kg	1	10/10/2013 11:01:43 PM 9739
ND	0.049 ՝	mg/Kg	1	10/10/2013 11:01:43 PM 9739
0.35	0.098	mg/Kg	1	10/10/2013 11:01:43 PM 9739
109	80-120	%REC	1	10/10/2013 11:01:43 PM 9739
				Analyst: JRR
4.4	1.5	mg/Kg	1	10/10/2013 7:26:47 PM 9767
	E ORGANICS ND 103 NGE ND 0.055 ND 0.35 109 4.4	ND 10 103 63-147 NGE ND 4.9 103 80-120 ND 0.049 0.055 0.049 ND 0.049 0.35 0.098 109 80-120 4.4 1.5	ND 10 mg/Kg 103 63-147 %REC NGE MD 4.9 mg/Kg 103 80-120 %REC ND 0.049 mg/Kg 0.055 0.049 mg/Kg ND 0.049 mg/Kg 0.35 0.098 mg/Kg 109 80-120 %REC 4.4 1.5 mg/Kg	ND 10 mg/Kg 1 103 63-147 %REC 1 NGE ND 4.9 mg/Kg 1 ND 4.9 mg/Kg 1 103 80-120 %REC 1 ND 0.049 mg/Kg 1 0.055 0.049 mg/Kg 1 ND 0.049 mg/Kg 1 0.35 0.098 mg/Kg 1 109 80-120 %REC 1 4.4 1.5 mg/Kg 1

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	Е	Value above quantitation range	Н	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit Page 1 of 7
	0	RSD is greater than RSDlimit	Р	Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Lab Order 1310451

Date Reported: 10/16/2013

Hall Environmental Analysis Laboratory, Inc.

.

Analyses		Result	RL Qual Units	DF Date Analyzed	Batch					
Lab ID:	1310451-002	Matrix: S	OIL Receive	ed Date: 10/9/2013 10:00:00 AM						
Project:	Florance "O" 20		Collectio	on Date: 10/7/2013 2:37:00 PM						
CLIENT:	Blagg Engineering	Client Sample ID: #2 @ 12"								

Analyses	Result	RL (Qual	Units	DF	Date Analyzed	Batel
EPA METHOD 8015D: DIESEL RANGE	EORGANICS					Analyst	BCN
Diesel Range Organics (DRO)	780	9.9		mg/Kg	1	10/11/2013 5:34:08 PM	9754
Surr: DNOP	107	63-147		%REC	1	10/11/2013 5:34:08 PM	9754
EPA METHOD 8015D: GASOLINE RAI	NGE					Analyst	NSB
Gasoline Range Organics (GRO)	5400	240		mg/Kg	50	10/10/2013 1:28:06 PM	9739
Surr: BFB	390	80-120	S	%REC	50	10/10/2013 1:28:06 PM	9739
EPA METHOD 8021B: VOLATILES					,	Analyst	NSB
Benzene	5.3	2.4		mg/Kg	50	10/10/2013 1:28:06 PM	9739
Toluene	110	2.4		mg/Kg	50	10/10/2013 1:28:06 PM	9739
Ethylbenzene	30	2.4		mg/Kg	50	10/10/2013 1:28:06 PM	9739
Xylenes, Total	280	4.8		mg/Kg	50	10/10/2013 1:28:06 PM	9739
Surr: 4-Bromofluorobenzene	132	80-120	S	%REC	50	10/10/2013 1:28:06 PM	9739
EPA METHOD 300.0: ANIONS						Analyst:	JRR
Chloride	ND	1.5		mg/Kg	1	10/10/2013 7:51:37 PM	9767

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	Е	Value above quantitation range	Н	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit Page 2 of 7
	0	RSD is greater than RSDlimit	Р	Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

EPA METHOD 8015D: GASOLINE RANGE

Gasoline Range Organics (GRO)

EPA METHOD 8021B: VOLATILES

Surr: 4-Bromofluorobenzene

EPA METHOD 300.0: ANIONS

Surr: BFB

Benzene

Toluene

Chloride

Ethylbenzene

Xylenes, Total

Lab Order 1310451 Date Reported: 10/16/2013

Analyst: NSB

Analyst: NSB

Analyst: JRR

10/11/2013 1:32:36 AM 9739

10/11/2013 8:32:34 PM 9767

CLIENT: Blagg Engineering			Client Sampl	e ID: #3	@ 11"	
Project: Florance "O" 20		•	Collection 1	Date: 10/	/7/2013 2:43:00 PM	
Lab ID: 1310451-003	Matrix: S	OIL	Received I	Date: 10/	/9/2013 10:00:00 AM	
Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RAN	NGE ORGANICS				Analys	st: BCN
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	10/11/2013 6:05:08 PI	M 9754
Surr: DNOP	89.5	63-147	%REC	1	10/11/2013 6:05:08 PI	M 9754

5.0

80-120

0.050

0.050

0.050

0.099

1.5

80-120

mg/Kg

%REC

mg/Kg

mg/Kg

mg/Kg

mg/Kg

%REC

mg/Kg

1

1

1

1

1

1

1

1

6.8

111

ND

0.29

0.091

1.3

109

ND

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Metho	od Blank
	E	Value above quantitation range	Н	Holding times for preparation or analysis	s exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 3 of 7
	0	RSD is greater than RSDlimit	Р	Sample pH greater than 2 for VOA and	TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

14

1.5

15.00

WO#: 1310451

16-Oct-13

Client: Project:	Blagg E Floranc	Blagg Engineering Florance "O" 20									
Sample ID	MB-9767	SampType: MBLK	ethod 300.0: Anions								
Client ID:	PBS	Batch ID: 9767	RunNo: 14007								
Prep Date:	10/10/2013	Analysis Date: 10/10/2013	SeqNo: 400633	Units: mg/Kg							
Analyte		Result PQL SPK va	ue SPK Ref Val %REC Lowl	Limit HighLimit %RPD	RPDLimit Qual						
Chloride		ND 1.5									
Sample ID	LCS-9767	SampType: LCS	TestCode: EPA Me	ethod 300.0: Anions							
Client ID:	LCSS	Batch ID: 9767	RunNo: 14007								
Prep Date:	10/10/2013	Analysis Date: 10/10/2013	SeqNo: 400634	Units: mg/Kg							
Analyte		Result PQL SPK va	ue SPK Ref Val %REC Lowl	Limit HighLimit %RPD	RPDLimit Qual						

0

95.5

90

110

Qualifiers:

Chloride

- Value exceeds Maximum Contaminant Level. *
- Value above quantitation range Ε
- J Analyte detected below quantitation limits
- Ο RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits S
- Analyte detected in the associated Method Blank В
- Holding times for preparation or analysis exceeded Н
- ND Not Detected at the Reporting Limit
- Sample pH greater than 2 for VOA and TOC only. Р
- RL

Page 4 of 7

Reporting Detection Limit

WO#: 1310451

16-Oct-13

Client: Project:	Blagg Engineering Florance "O" 20	5								
Sample ID MB-97	54 Sam	рТуре: М	BLK	Tes	tCode: E	PA Method	8015D: Dies	el Range (Drganics	
Client ID: PBS	Bat	ch ID: 97	54	F	RunNo: 1	3997				
Prep Date: 10/10	1/2013 Analysis	Date: 1	0/11/2013	5	SeqNo: 4	00245	Units: mg/l	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics	(DRO) ND	10								
Surr: DNOP	10		10.00		100	63	147			
Sample ID LCS-9	7 54 Samı	oType: LC	s	Tes	tCode: El	PA Method	8015D: Dies	el Range (Drganics	
Client ID: LCSS	Bat	ch ID: 97	54	, F	RunNo: 1	3997				
Prep Date: 10/10	/2013 Analysis	Date: 10	0/11/2013	5	SeqNo: 4	00246	Units: mg/ł	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics	(DRO) 47	10	50.00	0	93.4	77.1	128			
Surr: DNOP	4.8		5.000		96.0	63	147			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

Page 5 of 7

WO#:	1310451

16-Oct-13

Client: Blagg H Project: Florance	Engineering									
Sample ID MB-9/39	Sampiy	se: MF	SLK	les		PA Method	8015D: Gaso	bline Rang	e	
Client ID: PBS	Batch I	ID: 9739 RunNo: 13978								
Prep Date: 10/9/2013	Analysis Dat	te: 10	0/10/2013	5	SeqNo: 4	00097	Units: mg/ł	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		101	80	120			
Sample ID LCS-9739	SampTyp	be: LC	s	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	e	
Client ID: LCSS	Batch I	D: 97	39	F	RunNo: 1 :	3978				
Prep Date: 10/9/2013	Analysis Dat	te: 10	0/10/2013	S	SeqNo: 4	00098	Units: mg/M	(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	90.2	74.5	126			
Surr: BFB	1100		1000		110	80	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

Page 6 of 7

Client: Blagg Engineering

Project: Florance "O" 20

Sample ID MB-9739	SampType: MBLK TestCode: EPA Method 8021B: Volatiles													
Client ID: PBS	Batc	h ID: 97	39	F	RunNo: 1	3978								
Prep Date: 10/9/2013	Analysis [Date: 10	0/10/2013	S	SeqNo: 4	00173	Units: mg/h	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual				
Benzene	, ND	0.050												
Toluene	ND	0.050												
Ethylbenzene	ND	0.050												
Xylenes, Total	ND	0.10												
Surr: 4-Bromofluorobenzene	1.1		1.000		109	80	120							
Sample ID LCS-9739	Samp	Type: LC	s	Tes	tCode: El	PA Method	8021B: Vola	tiles						
Client ID: LCSS	Batc	h ID: 97	39	F	RunNo: 1	3978								
Prep Date: 10/9/2013	Analysis E	Date: 10	0/10/2013	S	SeqNo: 4	00174	Units: mg/M	ξg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual				
Benzene	0.91	0.050	1.000	0	91.3	80	120							
Toluene	0.93	0.050	1.000	0	92.8	80	120							
Ethylbenzene	0.95	0.050	1.000	0	95.2	80	120							
Xylenes, Total	3.0	0.10	3.000	0	98.7	80	120							
Curry & Descendence handsone	1 0		1 000		118	80	120							

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

Page 7 of 7

WO#: 1310451 16-Oct-13

Client Name: ELAGG Work Order Number: 1310451 ReptNo: 1 Received by/date: QT ID/D7/IS I/D/D7/IS I/D/D7/IS Logged By: Michelle Garcia 10/9/2013 11:54:04 AM I/D/D2/D I/D/D2/D Completed By: Michelle Garcia 10/9/2013 11:54:04 AM I/D/D2/D I/D/D2/D Reviewed By: QMS 0/0/1/13 1/1:41:40 I/D/D2/D Chain of Custody completed Garcia 10/9/2013 11:54:04 AM I/D/D2/D 1. Custody seals Infact on sample bottles? Yes No Not Present I/D 1. Custody seals Infact on sample bottles? Yes No Not Present I/D 3. How was the sample delivered? Courtier Logged Bit Not Present I/D 4. Was an attempt made to cool the samples? Yes No NA I/D 5. Were all samples received at a temperature of >0° °C to 6.0°C Yes No NA I/D 6. Sample(s) in proper container(s)? Yes No NA I/D I/D 7. Sufficient sample volume for Indicated test(s)? Yes No No NA <th>HALL Hall Environment ENVIRONMENTAL ANALYSIS LABORATORY TEL: 505-345-39 Website: www</th> <th>ital Analysis Labor 4901 Hawkir Albuquerque, NM 8 975 FAX: 505-345- Nallenvironmenta</th> <th>atory 25 NE 27105 Sam 4107 Lcom</th> <th>ple Log-In Ch</th> <th>eck List</th>	HALL Hall Environment ENVIRONMENTAL ANALYSIS LABORATORY TEL: 505-345-39 Website: www	ital Analysis Labor 4901 Hawkir Albuquerque, NM 8 975 FAX: 505-345- Nallenvironmenta	atory 25 NE 27105 Sam 4107 Lcom	ple Log-In Ch	eck List
Received by/dete: QT ID/QT/I3 Logged By: Michelle Garcia 10/9/2013 10:00:00 AM Midsub Cpunes Completed By: Michelle Garcia 10/9/2013 11:54:04 AM Midsub Cpunes Reviewed By: QueS 10/9/1/3 14':4'O Midsub Cpunes Chain of Custody 10/9/1/3 14':4'O Mo Not Present Chain of Custody complete? Yes No Not Present No 3. How was the sample delivered? Courier Courier 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 NA . . 9. Was preservative added to bottles? Yes No No . . 10. VOA viais fear encouries to containers received broken? Yes No . . . 10. VOA viais have zero headspace? Yes No No 10. VOA viais h	Client Name: BLAGG Work Order Numb	ber: 1310451		RcptNo: 1	
Logged By: Michelle Garcia 10/9/2013 10:00:00 AM Implied Garcia Completed By: Michelle Garcia 10/9/2013 11:54:04 AM Implied Garcia Reviewed By: (1) (1) (1) (1) Chain of Custody 1 (1) (1) (1) 1. Custody seals intact on sample bottles? Yes No Not Present 2. Is Chain of Custody No Not Present . 3. How was the sample delivered? Courtier 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 NA 7. Sufficient sample volume for indicated test(s)? Yes No NA 9. Was preservative added to bottles? Yes No NA 10. VOA viais have zero headspacs? Yes No No 11. Were any sample containers received broken? Yes No 12. Does paperwork match bottle labels? Yes	Received by/date:				
Completed By: Nichelle Garcia 10/9/2013 11:54:04 AM Minkul Garcia Reviewed By: (Au S) 10/9/1/3 14'.4'O Chain of Custody 1 Custody seals intact on sample bottles? Yes No Not Present 1. Custody seals intact on sample bottles? Yes No Not Present Image: Course 2. Is Chain of Custody Signal No Not Present Image: Course 2. Is Chain of Custody complete? Yes No Not Present Image: Course 2. Is Chain of Custody complete? Yes No Not Present Image: Course 4. Was an attempt made to cool the samples? Yes No NA Image: Course 5. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA Image: Course 6. Sample(s) in proper container(s)? Yes No NA Image: Course No NA 9. Was preservative added to bottles? Yes No NA Image: Course No NA Image: Course No	Logged By: Michelle Garcia 10/9/2013 10:00:00	АМ	Minute Gas	un	
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 Load 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 NA 7. Sufficient sample volume for indicated test(s)? Yes No NA 9. Was preservative added to bottles? Yes No NA 10. VOA viais have zero headspace? Yes No No No 11. Were any sample containers received broken? Yes No If of preserved bottles for phi: 12. Does paperwork match bottle labels? Yes No If of preserved bottles checked 13. Are matrices correctly identified on Chain of Custody? Yes No Adjusted? 14. Is it clear what analyses were requested? Yes No Adjusted? 14. Is it clear what analyses were requested on.) Yes N	Completed By: Michelle Garcia 10/9/2013 11:54:04 Reviewed By: Image: Completed By: Image: Compl	AM	Mirel Ga	un	
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? Courter 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 NA 7. Sufficient sample volume for indicated test(s)? Yes No NA 8. Are samples (except VOA and ONG) property preserved? Yes No NA 10. VOA viais have zero headspace? Yes No No NA 11. Were any sample containers received broken? Yes No Ma def preserved 12. Does paperwork match bottle labels? Yes No Ma def preserved 14. Is it clear what analyses were requested? Yes No Adjusted? det yes 13. Are matrices correctly identified on Chain of Custody? Yes No Adjusted? det yes 14. Is it clear what analyses were requested? Yes No	Chain of Custody				
2. Is Chain of Custody complete? Yes No Not Present 3. How was the sample delivered? Courder Log In	1. Custody seals intact on sample bottles?	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 NA 7. Sufficient sample volume for indicated test(s)? Yes No NA 8. Are samples (except VOA and ONG) properly preserved? Yes No NA 9. Was preservative added to bottles? Yes No NA 10. VOA vials have zero headspace? Yes No No NA 11. Were any sample containers received broken? Yes No No Was preserved 12. Does paperwork match bottle labels? Yes No If of preserved bottles checked 12. Does paperwork match bottle labels? Yes No Adjusted? If of preserved? 13. Are matrices correctly identified on Chain of Custody? Yes No Adjusted? If of preserved? 14. Is it clear what analyses were requested? Yes No Checked by: If of necked by: If on notified of all discrepancies with this order? Yes <t< td=""><td>2. Is Chain of Custody complete?</td><td>Yes 🖌</td><td>No 🗌</td><td>Not Present</td><td></td></t<>	2. Is Chain of Custody complete?	Yes 🖌	No 🗌	Not Present	
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 NA 7. Sufficient samples volume for indicated test(s)? Yes No NA 8. Are samples (except VOA and ONG) property preserved? Yes No NA 9. Was preservative added to bottles? Yes No NA 10. VOA vials have zero headspace? Yes No No 11. Were any sample containers received broken? Yes No If of preserved bottles checked for pH: (Not d discrepancies on chain of custody) Yes No If of preserved bottles checked for pH: (<2 or>12 unless n 13. Are matrices correctly identified on Chain of Custody? Yes No Adjusted? Idusted? 14. Is it clear what analyses were requested? Yes No NA Idusted? (If no, notify customer for authorization.) Second Handling (If applicable) NA Idusted? 15. Were all holding if applicables Date: [3. How was the sample delivered?	Courier			
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 NA 7. Sufficient sample volume for indicated test(s)? Yes ✓ No 8. Are samples (except VOA and ONG) properly preserved? Yes ✓ No 9. Was preservative added to bottles? Yes ✓ No NA 10. VOA vials have zero headspace? Yes No ✓ No ✓ No 11. Were any sample containers received broken? Yes ✓ No ✓ Ma 12. Does paperwork match bottle labels? Yes ✓ No ✓ # of preserved bottles checked for pH: (Note discrepancies on chain of custody? Yes ✓ No ✓ Adjusted? 13. Are matrices correctly identified on Chain of Custody? Yes ✓ No ✓ Adjusted? 16. Was client notified of all discrepancies with this order? Yes ✓ No ✓ Checked by:	<u>Log In</u>				
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 No 7. Sufficient sample volume for indicated test(s)? Yes No No 8. Are samples (except VOA and ONG) properly preserved? Yes No No 9. Was preservative added to bottles? Yes No No 10. VOA vials have zero headspace? Yes No No 11. Were any sample containers received broken? Yes No Was 12. Does paperwork match bottle labels? Yes No # of preserved bottles correctly identified on Chain of Custody? 13. Are matrices correctly identified on Chain of Custody? Yes No Adjusted? 14. Is it clear what analyses were requested? Yes No Checked by: 15. Were all holding times able to be met? Yes No Na 16. Was client notified of all discrepancies with this order? Yes No NA	4. Was an attempt made to cool the samples?	Yes 🗹	No 🗆	na 🗆	1
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 10. VOA vials have zero headspace? Yes No 11. Were any sample containers received broken? Yes No 12. Does paperwork match bottle labels? Yes No (Note discrepancies on chain of custody) 13. Are matrices correctly identified on Chain of Custody? Yes No 13. Are matrices correctly identified on Chain of Custody? Yes No Adjusted? 14. Is it clear what analyses were requested? Yes No Checked by: 15. Were all holding times able to be met? Yes No No Checked by: (if no, notify customer for authorization.) Special Handling (if applicable) Date:	5. Were all samples received at a temperature of >0° C to 6.0°C	Yes 🗹	No 🗌	NA 🗌	
7. Sufficient sample volume for indicated test(s)? Yes No 8. Are samples (except VOA and ONG) properly preserved? Yes No 9. Was preservative added to bottles? Yes No NA 10. VOA vials have zero headspace? Yes No No NA 11. Were any sample containers received broken? Yes No Mo Wo 12. Does paperwork match bottle labels? Yes No # of preserved bottles checked for pt: 13. Are matrices correctly identified on Chain of Custody? Yes No Adjusted? 14. Is it clear what analyses were requested? Yes No Checked by: 15. Were all holding times able to be met? Yes No No Yes No If anolitic of all discrepancies with this order? Yes No Special Handling (if applicable) In Person Notified: Date:	6. Sample(s) in proper container(s)?	Yes 🗹	No 🗔		
8. Are samples (except VOA and ONG) properly preserved? Yes No 9. Was preservative added to bottles? Yes No NA 10.VOA vials have zero headspace? Yes No No 11. Were any sample containers received broken? Yes No Was 12. Does paperwork match bottle labels? Yes No # of preserved bottles checked 12. Does paperwork match bottle labels? Yes No Image: Constraints of custody) 13. Are matrices correctly identified on Chain of Custody? Yes No Adjusted? 14. Is it clear what analyses were requested? Yes No Checked by: 15. Were all holding times able to be met? Yes No No Special Handling (if applicable) 16. Was client notified of all discrepancies with this order? Yes No NA Person Notified: Date: Date: In Person By Whom: Via: eMail Phone Fax In Person	7. Sufficient sample volume for indicated test(s)?	Yes 🗹	No 🗌		
9. Was preservative added to bottles? Yes No NA 10.VOA vials have zero headspace? Yes No No VOA Vials 11. Ware any sample containers received broken? Yes No # of preserved bottles checked 12. Does paperwork match bottle labels? Yes No # of preserved bottles checked 12. Does paperwork match bottle labels? Yes No # of preserved bottles checked 13. Are matrices correctly identified on Chain of Custody? Yes No Adjusted? 14. Is it clear what analyses were requested? Yes No Checked by: 15. Were all holding times able to be met? Yes No Checked by: (If no, notify customer for authorization.) Special Handling (if applicable) NA Person Notified: By Whom: Date: Date: Special is chear in this order? Yes No NA Person Notified: Date: Special is chear in the person Na In Person Regarding: Via: eMail Phone Fax In Person	8. Are samples (except VOA and ONG) properly preserved?	Yes 🗹	No 🗌		
10. VOA vials have zero headspace? Yes No No VOA Vials ✓ 11. Were any sample containers received broken? Yes No ✓ # of preserved bottles 12. Does paperwork match bottle labels? Yes Yes No ✓ # of preserved bottles checked for pH: (Note discrepancies on chain of custody) Yes Yes No ✓ Adjusted? 13. Are matrices correctly identified on Chain of Custody? Yes No Adjusted?	9. Was preservative added to bottles?	Yes 🗌	No 🗹	NA 🗌	
11. Were any sample containers received broken? Yes No ✓ # of preserved bottles checked for pH: 12. Does paperwork match bottle labels? Yes ✓ No ✓ (Note discrepancies on chain of custody) Yes ✓ No ✓ 13. Are matrices correctly identified on Chain of Custody? Yes ✓ No ✓ 14. Is it clear what analyses were requested? Yes ✓ No ✓ 15. Were all holding times able to be met? Yes ✓ No Checked by: (If no, notify customer for authorization.) Yes ✓ No NA ✓ Special Handling (if applicable) 16. Was client notified of all discrepancies with this order? Yes No NA ✓ Person Notified:	10.VOA vials have zero headspace?	Yes	No 🗌	No VOA Vials 🗹	
12. Does paperwork match bottle labels? Yes Yes No for pH:	11. Were any sample containers received broken?	Yes 🗌	No 🗹	# of preserved bottles checked	
13. Are matrices correctly identified on Chain of Custody? Yes ✓ No Adjusted?	12.Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ⊻	No 🗌	for pH: (<2 or ২	>12 unless noted)
14. Is it clear what analyses were requested? Yes No Checked by: 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 Person Notified: Date: Date: End to the second control of the second control	13. Are matrices correctly identified on Chain of Custody?	Yes 🗹	No 🗌	Adjusted?	
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 ✓ Person Notified: Date:	14. Is it clear what analyses were requested?	Yes 🗹	No 🗌	.	
Special Handling (if applicable) 16. Was client notified of all discrepancies with this order? Yes No NA Person Notified:	15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes 🗹	No 🗌	Checked by:	
Person Notified: Date: By Whom: Via: Regarding:	Special Handling (if applicable) 16.Was client notified of all discrepancies with this order?	Yes 🗌	No 🗌	NA 🗹	
By Whom: Via:eMailPhoneFax In Person Regarding:	Person Notified: Date				
	By Whom: Via: Via: Regarding:	eMail	Phone 🗍 Fax	In Person	

17. Additional remarks:

18.	Cooler Inform	ation					
	Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
	1	1.0	Good	Yes			

C	Chain-of-Custody Record		Turn-Around	Time:		4											٨F	AL			
Client:	BLAG	6 Er	KANEERNG INC.	Standard	🗆 Rush	·····				A	N	AL	YS	SIS	5 L	AE	30	RA	TO	R	Y
	BP	Anse	LC A	Project Name	e: 61	~~			40			v.hal	lenv	ironr	nent	al.co	m				
Mailing	Address	Po	Box 27	FLORA	NE O	20	4901 Hawkins NE - Albuquerque, NM 87109														
	Barn	FIEL	NM 87413	Project #:	·····		1	Te	el. 50)5-34	5-39	975	F	ax :	505-3	345-	4107	7			
Phone	#: 5	505-	632 - 1199				Analysis Request														
email o	r Fax#:			Project Mana	ger:	······································		ly)	ନ୍ଥି					0 ∮)					Ì		Τ
QA/QC I	Package:			J	B. ALL		3021	as of	4			<u>(</u>)		0 ⁴ ,S(CB's						
Stan	dard		Level 4 (Full Validation)				3) \$3	ů)	RO			SIM		P D	2 P(
	itation	□ Othe		Sampler:	J- BLAZ	.	TME	ТРН	0 / D	3.1)	,	270		N N	808						Î
	(Type)			Sample Femi		E NO. Construction	H H	+ Ш	GR(1418	150	<u>م</u>	als	Š	les /		ð	N			γ
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEALENDS	BTEX + MTB	втех + мтв	TPH 8015B (TPH (Method	EDB (Method	PAH's (8310	RCRA 8 Met	Anions (F,Cl,	8081 Pesticio	8260B (VOA	8270 (Semi-\	CHLOR			Air Bubbles (
Thomas	1426	SUL	#1@ 12=	402×1	Care	-001	X		X									X			\top
11	1437	ir.	#20 12-	ų	и	-002	X		X									X			T
((1443	lr .	#30 11"	21	u	-03	×		×									X			1
																					Τ
																					Τ
·····																					
Date:	Time:	Relinquish	ed by: Blogg ed by:	Received by:	paeled	Date Time	Rer	nark	s:	B	ILL	-	B	A	66						
10/8/13	1740	Ch	untre Liaere		n A	1 10/09/13,000				Br	2	Co	rta	_c7		Γ.	Re	rce	, 		

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.

Lab Order 1311A51

Date Reported: 12/3/2013

Hall Environmental Analysis Laboratory, Inc.

....

CLIENT:	Blagg Engineering	Client Sample ID: TH-1 @ 2.5'						
Project:	Florance O #20	Collection Date: 11/21/2013 11:37:00 AM						
Lab ID:	1311A51-001	Matrix: SC	ML	Received Date: 11/23/2013 10:40:00 AM				
Analyses		Result	RL Qual	Units	DF	Date Analyzed		
EPA MET	HOD 8015D: DIESEL RAM	NGE ORGANICS				Analyst: BCN		
		ND	40					

Diesel Range Organics (DRO)	ND	10	mg/Kg	1	11/26/2013 4:27:12 PM
Surr: DNOP	97.5	66-131	%REC	1	11/26/2013 4:27:12 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	11/27/2013 3:55:02 AM
Surr: BFB	92.2	74.5-129	%REC	1	11/27/2013 3:55:02 AM
EPA METHOD 8021B: VOLATILES					Analyst: RAA
Benzene	ND	0.046	mg/Kg	1	11/27/2013 3:55:02 AM
Toluene	ND	0.046	mg/Kg	1	11/27/2013 3:55:02 AM
Ethylbenzene	ND	0.046	mg/Kg	1	11/27/2013 3:55:02 AM
Xylenes, Total	ND	0.093	mg/Kg	1	11/27/2013 3:55:02 AM
Surr: 4-Bromofluorobenzene	105	80-120	%REC	1	11/27/2013 3:55:02 AM
EPA METHOD 300.0: ANIONS					Analyst: JRR
Chloride	ND	30	mg/Kg	20	11/26/2013 1:02:10 PM

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank	
	Е	Value above quantitation range	Н	Holding times for preparation or analysis exceeded	
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit Page 1 of 11	
	0	RSD is greater than RSDlimit	P Sample pH greater than 2 for VOA and TOC o		
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

Lab Order 1311A51

Date Reported: 12/3/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering Client Sample ID: EB-POR @ 3' Project: Florance O #20 Collection Date: 11/21/2013 11:58:00 AM Lab ID: 1311A51-002 Matrix: SOIL Received Date: 11/23/2013 10:40:00 AM Analyses Result RL Ougl Units DE Data Analysed

Analyses	Result	RL Qual Units		DF	DF Date Analyzed		
EPA METHOD 8015D: DIESEL RANG	GE ORGANICS				Analyst: BCN		
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	11/26/2013 4:49:03 PM		
Surr: DNOP	101	66-131	%REC	1	11/26/2013 4:49:03 PM		
EPA METHOD 8015D: GASOLINE RA	ANGE				Analyst: RAA		
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	11/26/2013 6:51:09 PM		
Surr: BFB	104	74.5-129	%REC	1	11/26/2013 6:51:09 PM		
EPA METHOD 8021B: VOLATILES					Analyst: RAA		
Benzene	ND	0.047	mg/Kg	1	11/26/2013 6:51:09 PM		
Toluene	ND	0.047	mg/Kg	1	11/26/2013 6:51:09 PM		
Ethylbenzene	ND	0.047	mg/Kg	1	11/26/2013 6:51:09 PM		
Xylenes, Total	ND	0.094	mg/Kg	1	11/26/2013 6:51:09 PM		
Surr: 4-Bromofluorobenzene	109	80-120	%REC	1	11/26/2013 6:51:09 PM		
EPA METHOD 300.0: ANIONS					Analyst: JRR		
Chloride	ND	30	mg/Kg	20	11/26/2013 1:14:35 PM		

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	Е	Value above quantitation range	Н	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit Page 2 of 11
	0	RSD is greater than RSDlimit	Р	Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Lab Order 1311A51

Date Reported: 12/3/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering Client Sample ID: EB-5 & 6 @ 3' Project: Florance O #20 Collection Date: 11/21/2013 12:48:00 PM Lab ID: 1311A51-003 Matrix: SOIL Received Date: 11/23/2013 10:40:00 AM Analyses Result RL Qual Units DF Date Analyzed EPA METHOD 8015D: DIESEL RANGE ORGANICS Analyst: B

EPA METHOD 8015D: DIESEL RANGE O	RGANICS				Analyst: BCN
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	11/26/2013 5:10:53 PM
Surr: DNOP	95.8	66-131	%REC	1	11/26/2013 5:10:53 PM
EPA METHOD 8015D: GASOLINE RANG	E				Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	11/26/2013 7:21:19 PM
Surr: BFB	102	74.5-129	%REC	1	11/26/2013 7:21:19 PM
EPA METHOD 8021B: VOLATILES					Analyst: RAA
Benzene	ND	0.046	mg/Kg	1	11/26/2013 7:21:19 PM
Toluene	ND	0.046	mg/Kg	1	11/26/2013 7:21:19 PM
Ethylbenzene	ND	0.046	mg/Kg	1	11/26/2013 7:21:19 PM
Xylenes, Total	ND	0.093	mg/Kg	1	11/26/2013 7:21:19 PM
Surr: 4-Bromofluorobenzene	106	80-120	%REC	1	11/26/2013 7:21:19 PM
EPA METHOD 300.0: ANIONS					Analyst: JRR
Chloride	ND	30	mg/Kg	20	11/26/2013 1:27:00 PM

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

Qualifiance	*	Value exceeds Maximum Contaminant Level	В	Analyte detected in the associated Method Blank
Quaimers.		value execcus maximum Containmant Level.	Б	Analyte detected in the associated incurod Diank
	E	Value above quantitation range	Н	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit Page 3 of 11
	0	RSD is greater than RSDlimit	Р	Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

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Lab Order 1311A51

Date Reported: 12/3/2013

Hall Environmental Analysis Laboratory, Inc.

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CLIENT:	Blagg Engineering	Client Sample ID: EB-3 @ 5'						
Project:	Florance O #20	Collection Date: 11/21/2013 2:45:00 P						
Lab ID:	1311A51-004	Matrix: So	JIL	Received Date: 11/23/2013 10:40:00 AM				
Analyses		Result	RL Qual	Units	DF	Date Analyzed		
EPA MET	HOD 8015D: DIESEL RAN	IGE ORGANICS				Analyst: BCN		
Diesel Ra	ange Organics (DRO)		10	ma/Ka	1	11/26/2012 5:22:54 DM		

Diesel Range Organics (DRO)	ND	10	mg/Kg	1	11/26/2013 5:32:54 PM
Surr: DNOP	101	66-131	%REC	1	11/26/2013 5:32:54 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	11/26/2013 7:51:34 PM
Surr: BFB	102	74.5-129	%REC	1	11/26/2013 7:51:34 PM
EPA METHOD 8021B: VOLATILES					Analyst: RAA
Benzene	ND	0.046	mg/Kg	1	11/26/2013 7:51:34 PM
Toluene	ND	0.046	mg/Kg	1	11/26/2013 7:51:34 PM
Ethylbenzene	ND	0.046	mg/Kg	1	11/26/2013 7:51:34 PM
Xylenes, Total	ND	0.092	mg/Kg	1	11/26/2013 7:51:34 PM
Surr: 4-Bromofluorobenzene	105	80-120	%REC	1	11/26/2013 7:51:34 PM
EPA METHOD 300.0: ANIONS					Analyst: JRR
Chloride	ND	30	mg/Kg	20	11/26/2013 1:39:25 PM

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	E	Value above quantitation range	Н	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit Page 4 of 11
	0	RSD is greater than RSDlimit	Р	Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Lab Order 1311A51

Date Reported: 12/3/2013

11/26/2013 8:21:50 PM

11/26/2013 8:21:50 PM

11/26/2013 8:21:50 PM

11/26/2013 1:51:49 PM

Analyst: JRR

Hall Environmental Analysis Laboratory, Inc.

Ethylbenzene

Xylenes, Total

Chloride

Surr: 4-Bromofluorobenzene

EPA METHOD 300.0: ANIONS

CLIENT: Blagg Engineering	Client Sample ID: EB-8 @ 5'							
Project: Florance O #20	Collection Date: 11/21/2013 3:00:00 PM							
Lab ID: 1311A51-005	Matrix:	SOIL	Received D	Received Date: 11/23/2013 10:40:00 AM				
Analyses	Result	RL Qu	al Units	DF	Date Analyzed			
EPA METHOD 8015D: DIESEL RANG	GE ORGANICS				Analyst: BCN			
Diesel Range Organics (DRO)	11	10	mg/Kg	1	11/26/2013 5:54:39 PM			
Surr: DNOP	96.8	66-131	%REC	1	11/26/2013 5:54:39 PM			
EPA METHOD 8015D: GASOLINE RA	ANGE				Analyst: RAA			
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	11/26/2013 8:21:50 PM			
Surr: BFB	103	74.5-129	%REC	1	11/26/2013 8:21:50 PM			
EPA METHOD 8021B: VOLATILES					Analyst: RAA			
Benzene	• ND	0.047	mg/Kg	1	11/26/2013 8:21:50 PM			
Toluene	ND	0.047	mg/Kg	1	11/26/2013 8:21:50 PM			

0.047

0.095

80-120

30

mg/Kg

mg/Kg

%REC

mg/Kg

1

1

1

20

ND

ND

107

ND

				< P
Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the
	Е	Value above quantitation range	Н	Holding times for prep
	J	Analyte detected below quantitation limits	ND	Not Detected at the Re
	0	RSD is greater than RSDlimit	Р	Sample pH greater than
	R	RPD outside accepted recovery limits	RL	Reporting Detection L

- S Spike Recovery outside accepted recovery limits
- associated Method Blank
- paration or analysis exceeded
- eporting Limit eporting Limit Page 5 of 11 In 2 for VOA and TOC only.
- ,imit 18

Analytical Report Lab Order 1311A51

Date Reported: 12/3/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT:	Blagg Engineering		C	lient Samp	le ID:EB-4 &	& 7 @6'
Project:	Florance O #20			Collection	Date: 11/21/2	2013 3:31:00 PM
Lab ID:	1311A51-006	Matrix: S	OIL	Received	Date: 11/23/2	2013 10:40:00 AM
Analyses		Result	RL Qual	Units	DF	Date Analyzed

EPA METHOD 8015D: DIESEL RANGE	ORGANICS				Analyst: BCN
Diesel Range Organics (DRO)	17	10	mg/Kg	1	11/26/2013 6:16:31 PM
Surr: DNOP	99.5	66-131	%REC	1	11/26/2013 6:16:31 PM
EPA METHOD 8015D: GASOLINE RANG	GE				Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	11/26/2013 8:52:13 PM
Surr: BFB	103	74.5-129	%REC	1	11/26/2013 8:52:13 PM
EPA METHOD 8021B: VOLATILES					Analyst: RAA
Benzene	ND	0.047	mg/Kg	1	11/26/2013 8:52:13 PM
Toluene	ND	0.047	mg/Kg	1	11/26/2013 8:52:13 PM
Ethylbenzene	ND	0.047	mg/Kg	1	11/26/2013 8:52:13 PM
Xylenes, Total	ND	0.095	mg/Kg	1	11/26/2013 8:52:13 PM
Surr: 4-Bromofluorobenzene	107	80-120	%REC	1	11/26/2013 8:52:13 PM
EPA METHOD 300.0: ANIONS					Analyst: JRR
Chloride	ND	30	mg/Kg	20	11/26/2013 2:04:14 PM

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

ifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyt
	Е	Value above quantitation range	Н	Holdin
	J	Analyte detected below quantitation limits	ND	Not De
	0	RSD is greater than RSDlimit	Р	Sample
	R	RPD outside accepted recovery limits	RL	Report
	S	Spike Recovery outside accepted recovery limits		

Qual

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND
 Not Detected at the Reporting Limit
 Page 6 of 11

 P
 Sample pH greater than 2 for VOA and TOC only.
- L Reporting Detection Limit

Client:Blagg EngineeringProject:Florance O #20

Sample ID: MB-10543 Client ID: PBS	SampType: MBLK Batch ID: 10543	TestCode: EPA Method RunNo: 15118	300.0: Anions	
Prep Date: 11/26/2013	Analysis Date: 11/26/2013	SeqNo: 436191	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	ND 1.5			
Sample ID: LCS-10543	SampType: LCS	TestCode: EPA Method	300.0: Anions	
Sample ID: LCS-10543 Client ID: LCSS	SampType: LCS Batch ID: 10543	TestCode: EPA Method RunNo: 15118	300.0: Anions	
Sample ID: LCS-10543 Client ID: LCSS Prep Date: 11/26/2013	SampType: LCS Batch ID: 10543 Analysis Date: 11/26/2013	TestCode: EPA Method RunNo: 15118 SeqNo: 436192	300.0: Anions Units: mg/Kg	
Sample ID: LCS-10543 Client ID: LCSS Prep Date: 11/26/2013 Analyte	SampType: LCS Batch ID: 10543 Analysis Date: 11/26/2013 Result PQL SPK value	TestCode: EPA Method RunNo: 15118 SeqNo: 436192 SPK Ref Val %REC LowLimit	300.0: Anions Units: mg/Kg HighLimit %RPD	RPDLimit Qual

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

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WO#: 1311A51 03-Dec-13

Blagg Engineering **Client: Project:**

Florance O #20

Sample ID: MB-10502	Samp [®]	Type: ME	3LK 502	TestCode: EPA Method 8015D: Diesel Range Organics						
Prep Date: 11/25/2013	Analysis Date: 11/26/2013			SeqNo: 434751 Units: mg/Kg				g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO) Surr: DNOP	ND 11	10	10.00		106	66	131			
Sample ID: LCS-10502	Samp	Type: LC	S	Tes	tCode: EF	PA Method	8015D: Diese	el Range C	Drganics	
Client ID: LCSS	Batc	h ID: 10	502	F	RunNo: 1	5051				
Prep Date: 11/25/2013	Analysis [Date: 1 1	1/26/2013	S	SeqNo: 4	34752	Units: mg/K	g		
		DOI	SDK value	SPK Ref Val	%REC	l owl imit	Highl imit	%RPD	RPDI imit	Qual
Analyte	Result	PQL	SFR value		/01 CL Q	Lonenne	1 agriciant			Quai
Analyte Diesel Range Organics (DRO)	Result 56	PQL 10	50.00	0	113	62.1	127			Quai

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- E Value above quantitation range
- Analyte detected below quantitation limits J
- RSD is greater than RSDlimit 0
- RPD outside accepted recovery limits R
- Spike Recovery outside accepted recovery limits S
- В Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Р Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

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WO#: 1311A51 03-Dec-13

Client: Blagg Engineering

Project: Florance O #20

Sample ID: MB-10508	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range
Client ID: PBS	Batch ID: 10508	RunNo: 15119
Prep Date: 11/25/2013	Analysis Date: 11/26/2013	SeqNo: 436217 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	920 1000	92.0 74.5 129
Sample ID: LCS-10508	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range
Client ID: LCSS	Batch ID: 10508	RunNo: 15119
Prep Date: 11/25/2013	Analysis Date: 11/26/2013	SeqNo: 436218 Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Gasoline Range Organics (GRO)	26 5.0 25.00	0 103 74.5 126
Surr: BFB	980 1000	98.0 74.5 129
Sample ID: MB-10508	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range
Client ID: PBS	Batch ID: 10508	RunNo: 15122
Prep Date: 11/25/2013	Analysis Date: 11/26/2013	SeqNo: 436355 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	1000 1000	103 74.5 129
Sample ID: LCS-10508	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range
Client ID: LCSS	Batch ID: 10508	RunNo: 15122
Prep Date: 11/25/2013	Analysis Date: 11/26/2013	SeqNo: 436356 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 84.6 74.5 126
Surr: BFB	1100 1000	112 74.5 129
Sample ID: MB-10574	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range
Client ID: PBS	Batch ID: 10574	RunNo: 15172
Prep Date: 11/27/2013	Analysis Date: 12/2/2013	SeqNo: 437480 Units: %REC
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: BFB	860 1000	86.5 74.5 129
Sample ID: LCS-10574	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range
Client ID: LCSS	Batch ID: 10574	RunNo: 15172
Prep Date: 11/27/2013	Analysis Date: 12/2/2013	SeqNo: 437481 Units: %REC
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: BFB	950 1000	95.0 74.5 129

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.

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RL Reporting Detection Limit

WO#: **1311A51** *03-Dec-13*

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

Client: Blagg Engineering

Project: Florance O #20

Sample ID: MB-1	10508	SampT	vpe: ME	BLK	Tes	tCode: EF	PA Method	8021B: Volat	tiles		
Client ID: PBS		Batch	n ID: 10	508	F	RunNo: 1	5119		-		
Prep Date: 11/2	25/2013	Analysis D)ate: 11	/26/2013	Ş	SeqNo: '4	36241	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND	0.050					0			
Toluene		ND	0.050								
Ethylbenzene		ND	0.050								
Xylenes, Total		ND	0.10								
Surr: 4-Bromofluoro	obenzene	1.1		1.000		108	80	120			
Sample ID: LCS-	-10508	SampT	ype: LC	s	Tes	stCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	S	Batch	n ID: 10	508	F	RunNo: 1	5119				
Prep Date: 11/2	25/2013	Analysis D	0ate: 11	/26/2013	Ş	SeqNo: 4	36242	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.94	0.050	1.000	0	93.7	80	120			
Toluene		0.97	0.050	1.000	0	96.9	80	120			
Ethylbenzene		0.99	0.050	1.000	0	98.7	80	120			
Xylenes, Total		3.0	0.10	3.000	0	99.5	80	120			
Surr: 4-Bromofluoro	obenzene	1.1		1.000		113	80	120			
Sample ID: 1311	1A51-001AMS	SampT	ype: MS	;	Tes	tCode: EF	PA Method	8021B: Volat	iles		
Sample ID: 1311 Client ID: TH-1	I A51-001AMS I @ 2.5'	SampT Batch	ype: MS 1 ID: 10	508	Tes	tCode: EF	PA Method 5119	8021B: Volat	iles		
Sample ID: 1311. Client ID: TH-1 Prep Date: 11/2	IA51-001AMS I @ 2.5' 25/2013	SampT Batch Analysis D	ype: MS 1D: 10 0ate: 11	508 /27/2013	Tes F	tCode: EF RunNo: 1 SeqNo: 4	PA Method 5119 36251	8021B: Volat Units: mg/K	iles G		
Sample ID: 1311. Client ID: TH-1 Prep Date: 11/2 Analyte	IA51-001AMS I @ 2.5' '25/2013 /	SampT Batch Analysis D Result	ype: MS 1D: 10! Date: 11	508 /27/2013 SPK value	Tes F SPK Ref Val	tCode: EF RunNo: 1 SeqNo: 4 %REC	PA Method 5119 36251 LowLimit	8021B: Volat Units: mg/K HighLimit	iles G %RPD	RPDLimit	Qual
Sample ID: 1311. Client ID: TH-1 Prep Date: 11/2 Analyte Benzene	IA51-001AMS I @ 2.5' 25/2013 /	SampT Batch Analysis D Result 0.86	ype: MS n ID: 10! Date: 11 PQL 0.047	508 /27/2013 SPK value 0.9461	Tes F SPK Ref Val	tCode: EF RunNo: 1 SeqNo: 4 %REC 90.6	PA Method 5119 36251 LowLimit 67.3	8021B: Volat Units: mg/K HighLimit 145	iles g %RPD	RPDLimit	Qual
Sample ID: 1311. Client ID: TH-1 Prep Date: 11/2 Analyte Benzene Toluene	1A51-001AMS 1 @ 2.5' 225/2013 /	SampT Batch Analysis D <u>Result</u> 0.86 0.89	ype: MS n ID: 10 Date: 11 PQL 0.047 0.047	508 /27/2013 SPK value 0.9461 0.9461	Tes F SPK Ref Val 0 0.005339	tCode: EF RunNo: 1 SeqNo: 4 %REC 90.6 93.8	PA Method 5119 36251 LowLimit 67.3 66.8	8021B: Volat Units: mg/K HighLimit 145 144	iles g %RPD	RPDLimit	Qual
Sample ID: 1311. Client ID: TH-1 Prep Date: 11/2 Analyte Benzene Toluene Ethylbenzene	1A51-001AMS 1 @ 2.5' 225/2013	SampT Batch Analysis D Result 0.86 0.89 0.91	ype: MS n ID: 10 Date: 11 PQL 0.047 0.047 0.047	508 /27/2013 SPK value 0.9461 0.9461 0.9461	Tes F SPK Ref Val 0 0.005339 0	tCode: EF RunNo: 1 SeqNo: 4 %REC 90.6 93.8 96.6	PA Method 5119 36251 LowLimit 67.3 66.8 61.9	8021B: Volat Units: mg/K HighLimit 145 144 153	iles g %RPD	RPDLimit	Qual
Sample ID: 1311. Client ID: TH-1 Prep Date: 11/2 Analyte Benzene Toluene Ethylbenzene Xylenes, Total	I A51-001AMS I @ 2.5' 25/2013	SampT Batch Analysis D Result 0.86 0.89 0.91 2.8	ype: MS n ID: 10! Date: 11 PQL 0.047 0.047 0.047 0.095	508 /27/2013 SPK value 0.9461 0.9461 0.9461 2.838	Tes F SPK Ref Val 0 0.005339 0 0 0	tCode: EF RunNo: 1 SeqNo: 4 %REC 90.6 93.8 96.6 98.3	PA Method 5119 36251 LowLimit 67.3 66.8 61.9 65.8	8021B: Volat Units: mg/K HighLimit 145 144 153 149	iles g %RPD	RPDLimit	Qual
Sample ID: 1311. Client ID: TH-1 Prep Date: 11/2 Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluoro	I A51-001AMS I @ 2.5' 225/2013 /	SampT Batch Analysis D Result 0.86 0.89 0.91 2.8 1.1	ype: MS n ID: 10 Date: 11 <u>PQL</u> 0.047 0.047 0.047 0.047	508 /27/2013 SPK value 0.9461 0.9461 0.9461 2.838 0.9461	Tes F SPK Ref Val 0 0.005339 0 0 0	tCode: EF RunNo: 14 SeqNo: 4: %REC 90.6 93.8 96.6 98.3 112	PA Method 5119 36251 LowLimit 67.3 66.8 61.9 65.8 80	8021B: Volat Units: mg/K HighLimit 145 144 153 149 120	iles g %RPD	RPDLimit	Qual
Sample ID: 1311. Client ID: TH-1 Prep Date: 11/2 Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluoro Sample ID: 1311.	I A51-001AMS I @ 2.5' 225/2013 / obenzene IA51-001AMSD	SampT Batch Analysis D Result 0.86 0.89 0.91 2.8 1.1 SampT	ype: MS Date: 11 PQL 0.047 0.047 0.047 0.047 0.095	508 /27/2013 SPK value 0.9461 0.9461 0.9461 2.838 0.9461 5D	Tes F SPK Ref Val 0 0.005339 0 0 0 Tes	tCode: EF RunNo: 14 SeqNo: 4 90.6 93.8 96.6 98.3 112 tCode: EF	PA Method 5119 36251 LowLimit 67.3 66.8 61.9 65.8 80 PA Method	8021B: Volat Units: mg/K HighLimit 145 144 153 149 120 8021B: Volat	illes Gg %RPD	RPDLimit	Qual
Sample ID: 1311. Client ID: TH-1 Prep Date: 11/2 Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorc Sample ID: 1311. Client ID: TH-1	I A51-001AMS I @ 2.5' 225/2013 // obenzene I A51-001AMSD I @ 2.5'	SampT Batch Analysis D Result 0.86 0.89 0.91 2.8 1.1 SampT Batch	Type: MS ID: 10! Date: 11 PQL 0.047 0.047 0.047 0.047 0.047 0.047 0.047 0.047 0.047 0.047 0.047 0.047 0.047 0.047 0.047 0.047 0.047 0.047 0.047 0.047 0.047 0.047 0.047	508 /27/2013 SPK value 0.9461 0.9461 2.838 0.9461 50 508	Tes F SPK Ref Val 0 0.005339 0 0 0 Tes	tCode: EF RunNo: 14 SeqNo: 4 %REC 90.6 93.8 96.6 98.3 112 tCode: EF RunNo: 14	PA Method 5119 36251 LowLimit 67.3 66.8 61.9 65.8 80 PA Method 5119	8021B: Volat Units: mg/K HighLimit 145 144 153 149 120 8021B: Volat	iles 9 %RPD iles	RPDLimit	Qual
Sample ID: 1311. Client ID: TH-1 Prep Date: 11/2 Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluoro Sample ID: 1311. Client ID: TH-1 Prep Date: 11/2	I A51-001AMS I @ 2.5' 225/2013 // obenzene I A51-001AMSD I @ 2.5' 225/2013 //	SampT Batch Analysis D Result 0.86 0.89 0.91 2.8 1.1 SampT Batch Analysis D	ype: MS Date: 11 20ate: 11 0.047 0.047 0.047 0.047 0.095 ype: MS Date: 11	508 /27/2013 SPK value 0.9461 0.9461 2.838 0.9461 508 /27/2013	Tes F SPK Ref Val 0 0.005339 0 0 0 Tes F	tCode: EF RunNo: 1 SeqNo: 4 90.6 93.8 96.6 98.3 112 tCode: EF RunNo: 1 SeqNo: 4	PA Method 5119 36251 LowLimit 67.3 66.8 61.9 65.8 80 PA Method 5119 36252	8021B: Volat Units: mg/K HighLimit 145 144 153 149 120 8021B: Volat Units: mg/K	iles (g %RPD tiles	RPDLimit	Qual
Sample ID: 1311. Client ID: TH-1 Prep Date: 11/2 Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluoro Sample ID: 1311. Client ID: TH-1 Prep Date: 11/2 Analyte	I A51-001AMS I @ 2.5' 225/2013 // obenzene I A51-001AMSD I @ 2.5' 225/2013 //	SampT Batch Analysis D Result 0.86 0.89 0.91 2.8 1.1 SampT Batch Analysis D Result	Type: MS of ID: 10 PQL 0.047 0.047 0.047 0.047 0.047 0.095 Type: MS of ID: 10 Date: 11 PQL	508 /27/2013 SPK value 0.9461 0.9461 2.838 0.9461 2.838 0.9461 508 /27/2013 SPK value	Tes SPK Ref Val 0 0.005339 0 0 0 Tes SPK Ref Val	tCode: EF RunNo: 14 SeqNo: 4 90.6 93.8 96.6 98.3 112 stCode: EF RunNo: 14 SeqNo: 4 %REC	PA Method 5119 36251 LowLimit 67.3 66.8 61.9 65.8 80 PA Method 5119 36252 LowLimit	8021B: Volat Units: mg/K HighLimit 145 144 153 149 120 8021B: Volat Units: mg/K HighLimit	iles ^{(g} %RPD illes ^{(g} %RPD	RPDLimit	Qual
Sample ID: 1311. Client ID: TH-1 Prep Date: 11/2 Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluoro Sample ID: 1311. Client ID: TH-1 Prep Date: 11/2 Analyte Benzene	IA51-001AMS I @ 2.5' 225/2013 // obenzene IA51-001AMSD I @ 2.5' 225/2013 //	SampT Batch Analysis D Result 0.86 0.89 0.91 2.8 1.1 SampT Batch Analysis D Result 0.90	Type: MS i ID: 10! Date: 11 PQL 0.047 0.047 0.047 0.047 0.047 0.047 0.047 0.047 0.047 0.047 0.047 0.047 0.047 0.047 0.047 0.047 0.047 Date: 10: Date: 11 PQL 0.047	508 /27/2013 SPK value 0.9461 0.9461 2.838 0.9461 2.838 0.9461 508 /27/2013 SPK value 0.9452	Tes F SPK Ref Val 0 0.005339 0 0 0 Tes F SPK Ref Val 0	tCode: EF RunNo: 14 SeqNo: 4 90.6 93.8 96.6 98.3 112 tCode: EF RunNo: 14 SeqNo: 4 %REC 94.8	PA Method 5119 36251 LowLimit 67.3 66.8 61.9 65.8 80 PA Method 5119 36252 LowLimit 67.3	8021B: Volat Units: mg/K HighLimit 145 144 153 149 120 8021B: Volat Units: mg/K HighLimit 145	iles ig %RPD tiles ig %RPD 4.42	RPDLimit RPDLimit 20	Qual
Sample ID: 1311. Client ID: TH-1 Prep Date: 11/2 Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluoro Sample ID: 1311. Client ID: TH-1 Prep Date: 11/2 Analyte Benzene Toluene	IA51-001AMS I @ 2.5' 225/2013 // obenzene IA51-001AMSD I @ 2.5' 225/2013 //	SampT Batch Analysis D Result 0.86 0.89 0.91 2.8 1.1 SampT Batch Analysis D Result 0.90 0.93	ype: MS o ID: 10! Date: 11 PQL 0.047 0.047 0.047 0.095 0.047 0.095 0.047 0.095 0.047 0.047 0.047 0.047	508 /27/2013 SPK value 0.9461 0.9461 2.838 0.9461 2.838 0.9461 508 /27/2013 SPK value 0.9452 0.9452	Tes F SPK Ref Val 0 0.005339 0 0 0 Tes F SPK Ref Val 0 0.005339	tCode: EF RunNo: 14 SeqNo: 4 90.6 93.8 96.6 98.3 112 stCode: EF RunNo: 14 SeqNo: 4 %REC 94.8 97.8	PA Method 5119 36251 LowLimit 67.3 66.8 61.9 65.8 80 PA Method 5119 36252 LowLimit 67.3 66.8	8021B: Volat Units: mg/K HighLimit 145 144 153 149 120 8021B: Volat Units: mg/K HighLimit 145 144	iles 5g %RPD tiles 5g %RPD 4.42 4.00	RPDLimit RPDLimit 20 20	Qual
Sample ID: 1311. Client ID: TH-1 Prep Date: 11/2 Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluoro Sample ID: 1311. Client ID: TH-1 Prep Date: 11/2 Analyte Benzene Toluene Ethylbenzene	I A51-001AMS I @ 2.5' 225/2013 // obenzene I A51-001AMSD I @ 2.5' 225/2013 //	SampT Batch Analysis D Result 0.86 0.89 0.91 2.8 1.1 SampT Batch Analysis D Result 0.90 0.93 0.95	Type: MS Type: 10: 10: Date: 11 10: PQL 0.047 0.047 0.047 0.047 0.095 Type: MS 10: Operation: 10: 10: Operation: 10: 10: Operation: 11: 11: Operation:	508 /27/2013 SPK value 0.9461 0.9461 2.838 0.9461 2.838 0.9461 508 /27/2013 SPK value 0.9452 0.9452 0.9452 0.9452	Tes 5 5 5 5 5 5 5 5 5 5 5 5 5	tCode: EF RunNo: 14 SeqNo: 4 90.6 93.8 96.6 98.3 112 tCode: EF RunNo: 14 SeqNo: 4 %REC 94.8 97.8 100	PA Method 5119 36251 LowLimit 67.3 66.8 61.9 65.8 80 PA Method 5119 36252 LowLimit 67.3 66.8 61.9	8021B: Volat Units: mg/K HighLimit 145 144 153 149 120 8021B: Volat Units: mg/K HighLimit 145 144 153	iles 59 %RPD illes 59 %RPD 4.42 4.00 3.63	RPDLimit RPDLimit 20 20 20	Qual
Sample ID: 1311. Client ID: TH-1 Prep Date: 11/2 Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluoro Sample ID: 1311. Client ID: TH-1 Prep Date: 11/2 Analyte Benzene Toluene Ethylbenzene Xylenes, Total	IA51-001AMS I @ 2.5' 225/2013 // obenzene IA51-001AMSD I @ 2.5' 225/2013 //	SampT Batch Analysis D Result 0.86 0.91 2.8 1.1 SampT Batch Analysis D Result 0.90 0.93 0.95 2.9	Type: MS Dir 10: 10: Date: 11 PQL 0.047 0.047 0.047 0.047 0.047 0.095 ID: 10: Oate: 11 PQL: 10: 10: Date: 11: 10: Date: 11: 0.047 0.047 0.047 0.047 0.047 0.047 0.047	508 /27/2013 SPK value 0.9461 0.9461 2.838 0.9461 2.838 0.9461 508 /27/2013 SPK value 0.9452 0.9452 0.9452 2.836	Tes F SPK Ref Val 0 0.005339 0 0 0 Tes SPK Ref Val 0 0.005339 0 0 0	tCode: EF RunNo: 14 SeqNo: 4 90.6 93.8 96.6 98.3 112 tCode: EF RunNo: 14 SeqNo: 4 94.8 97.8 100 102	PA Method 5119 36251 LowLimit 67.3 66.8 61.9 65.8 80 PA Method 5119 36252 LowLimit 67.3 66.8 61.9 65.8	8021B: Volat Units: mg/K HighLimit 145 144 153 149 120 8021B: Volat Units: mg/K HighLimit 145 144 153 149	illes (g %RPD (illes (g %RPD 4.42 4.00 3.63 3.43	RPDLimit RPDLimit 20 20 20	Qual

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- $P \qquad \text{Sample pH greater than 2 for VOA and TOC only.}$
- RL Reporting Detection Limit

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1311A51 *03-Dec-13*

WO#:

Hall Environmen	tal Analy	ysis L	Laborat	ory, Inc.						03-Dec-13
Client: Blagg Project: Floran	Engineering ce O #20									
Sample ID: MB-10508	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8021B: Vola	tiles	<u></u>	
Client ID: PBS	Batch	1D: 10 :	508	F	RunNo: 1	5122				
Prep Date: 11/25/2013	Analysis D	ate: 11	/26/2013	S	SeqNo: 4	36368	Units: mg/H	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		109	80	120			
Sample ID: LCS-10508	SampT	ype: LC	S	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: LCSS	Batch	ו ID: 10	508	F	RunNo: 1	5122				
Prep Date: 11/25/2013	Analysis D	ate: 11	/26/2013	S	SeqNo: 4	36369	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.85	0.050	1.000	0	84.9	80	120			
Toluene	0.86	0.050	1.000	0	86.1	80	120			
Ethylbenzene	0.88	0.050	1.000	0	88.1	80	120			
Xylenes, Total	2.8	0.10	3.000	0	93.5	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		114	80	120			
Sample ID: MB-10574	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: PBS	Batch	1 ID: 105	574	٦	RunNo: 1	5172				
Prep Date: 11/27/2013	Analysis D	ate: 12	2/2/2013	S	SeqNo: 4	37488	Units: %RE	с		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.99		1.000		99.3	80	120			
Sample ID: LCS-10574	SampT	ype: LC	S	Tes	tCode: Ef	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batch	1 ID: 105	574	F	RunNo: 1	5172				
Prep Date: 11/27/2013	Analysis D	ate: 12	2/2/2013	5	SeqNo: 4	37489	Units: %RE	с		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1 000		105	80	120			

Qualifiers:

* Value exceeds Maximum Contaminant Level.

QC SUMMARY REPORT

- Value above quantitation range Ε
- Analyte detected below quantitation limits J
- RSD is greater than RSDlimit 0
- RPD outside accepted recovery limits R
- S Spike Recovery outside accepted recovery limits
- Analyte detected in the associated Method Blank В
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
- Sample pH greater than 2 for VOA and TOC only. Р
- RL Reporting Detection Limit

Page 11 of 11

WO#: 1311A51

- - 54	HALL
	ENVIRONMENTAL
	ANALYSIS
	LABORATORY

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87105 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

_

Client Name:	BLAGG	Work Order Numbe	er: 1311A51		RcptNo:	1
Received by/dat	te:AT	112313				
Logged By:	Lindsay Mangin	11/23/2013 10:40:00	АМ	June of Humps		
Completed By:	Lindsay Mangin	11/25/2013_7:42:19 A	M	Junity Heaps		
Reviewed By:	MG	11/25/13				
Chain of Cus	stody	n/o /				
1. Custody sea	als intact on sample bottle	s?	Yes 🗌	No 🗌	Not Present 🗹	
2. Is Chain of	Custody complete?		Yes 🗹	No 🗌	Not Present	
3. How was the	e sample delivered?		Courier			
<u>Log In</u>						
4. Was an atte	empt made to cool the sar	nples?	Yes 🗹	No 🗆	NA 🗌	
5. Were all sat	mples received at a tempe	erature of >0° C to 6.0°C	Yes 🗹	No 🗌	NA 🗌	
6. Sample(s) i	in proper container(s)?		Yes 🗹	No 🗌		
7. Sufficient se	ample volume for indicated	I test(s)?	Yes 🔽	No 🗌		
8. Are sample:	s (except VOA and ONG)	properly preserved?	Yes 🗹	No 🗌		
9. Was preser	vative added to bottles?		Yes 🗌	No 🗹	NA 🗌	
10.VOA vials h	ave zero headspace?		Yes 🗌	No 🗔	No VOA Vials 🗹	
11. Were any s	sample containers received	l broken?	Yes 🗆	No 🗹 🛛	# of preserved	*
12 Does paper	work match hottle labels?		Yes 🗸	No 🗔	bottles checked for pH:	
(Note discre	epancies on chain of custo	dy)			(<2 0	r >12 unless noted)
13. Are matrice	s correctly identified on Cl	nain of Custody?	Yes 🗹	No 🗌	Adjusted?	
14. Is it clear w	hat analyses were request	ed?	Yes 🗹	No 🗌		
15. Were all ho (If no, notify	Iding times able to be met / customer for authorizatio	? n.)	Yes 🗹	No	Checked by:	
	-llin - /if ann liachta\					
Special Hand	diing (ir applicable)					
16.Was client	notified of all discrepancie	s with this order?	Yes 🛄			٦
Perso	on Notified:	Date:				
By W	hom:	Via:	🗌 eMail 📃	Phone 🗌 Fax	In Person	
Rega	rding:		246 a. 15. a. 11			
Client	t Instructions:		and the same trade of the second state of the]
17. Additional	remarks:					

18. Cooler Information

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

<u> </u>	ia	<u>ภ-บนร</u>	LOUY RECOLU	4	Results 1	23	Lт	1 1	I	ŀ	IAI		E	NV	TF	20	N	ME	NT	'A	Ł
Client:	BLAG	G ENGR.	/ BP AMERICA	Standard	Rush_					A	N/	AL'	YS	SIS	5 L	A	BO	R	NTC)R	- • Y
				Project Name:							www	v.ha	llen	viro	nme	ental	.con	л			
Mailing Ad	dress:	P.O. BO	X 87	F	LORANCE O	# 20	ĺ	490	01 H	awk	ins N	IE -	Alb	uqu	erqu	ue, N	IM 8	37109)		
		BLOOM	FIELD, NM 87413	Project #:		<u></u>	1	Te	l. 50	5-34	15-39	975	F	ax	505-	-345	-410)7			
Phone #:		(505) 63	2-1199					* . <u>.</u>				Å	naly	/sis	Řec	lues	st	557 AB 81 557 AB 81 557 AB 81 757 AB 81	1. 1. S.		1.2
email or Fa	ax#:			Project Manag	jer:			4	nut			Ì		4)				(Ţ			
QA/QC Pac	kage: Ird		Level 4 (Full Validation)		NELSON VI	ELEZ	021B)	(ylno	(OUM			1S)		PO4,SO	2 PCB's			ter - 300			e
Accreditati	on:			Sampler:	NELSON VI	ELEZ TW	٦ [®]	(Gas	NO.	(F)	,			10 ₂	808			/ wa			dm
		□ Other		Qn Ice:	E Yês			НЧТ	10	418	504	827	S	03,1	es / sa		OA)	0.00			te sa
CI EDD (T	уре)	1		Sample Temp	erature: 740			BE +	(GR	poq	poq	2 P	eta	CI,N	icid	(YC	ni-√	oil - 0		ble	posi
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEALNO BUA51	BTEX + MT	BTEX + MT	TPH 8015B	TPH (Met	EDB (Met	PAH (8310	RCRA 8 M	Anions (F,	8081 Pest	8260B (VG	8270 (Sen	Chloride (s	-	Grab sam	2 pt. com
11/21/13	1137	SOIL	TH - 1 @ 2.5'	4 oz 1	Cool	-001	V		۷									V		V	
11/21/13	1158	SOIL	EB - POR @ 3'	4 oz 1	Cool	-002	V		V									V	-	V	
11/21/13	1248	SOIL	EB - 5 & 6 @ 3'	4 oz 1	Cool	-003	V		V	_								V		1	V
11/21/13	1445	SOIL	EB ~ 3 @ 5'	4 oz 1	Cool	-004-	V		V									V	-	V	
11/21/13	1500	SOIL	EB - 8 @ 5'	4 oz 1	Cool	-005	V		۷									V	•	V	
11/21/13	1531	SOIL	EB - 4 & 7 @ 6'	4 oz 1	Cool	-006	V		V	_								V		1	V
																				T	
										_										T	
Date: 1/2/13	Time: 1400	Relinquishe	in y	Received by:	Walter	Date Time	Ren Se	narks nd inv	: voice	to :	Biag	e En	eine	erin	g. (n	с.					
Date:	Time: 1100		the Walle	Received by	in A	Date Time /// <i>23</i> //3 /04					P.O. Bloo	Box	87 eld, f	NM	3741	.3					
	If necessa	ary, samples si	ubmitted to Hall Environmental may be s	ubcontracted to other	accredited laboratorie	s. This serves as notice o	f this p	ossibilit	y. Any	y sub-	contrac	ted d	ata wi	ll be c	learly	notat	ed on f	the ana	lytical r	eport	



May 05, 2014

Jeff Blagg Blagg Engineering P. O. Box 87 Bloomfield, NM 87413 TEL: (505) 320-1183 FAX (505) 632-3903

RE: Florance "O" 20

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

OrderNo.: 1404B18

Dear Jeff Blagg:

Hall Environmental Analysis Laboratory received 2 sample(s) on 4/26/2014 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to <u>www.hallenvironmental.com</u> or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

ander

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report
Lab Order 1404B18
Date Reported: 5/5/2014

Hall Environmental Analysis Laboratory, Inc.

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CLIENT: Blagg Engineering

Client Sample ID: Trench 2, 5-pt comp@24" Collection Date: 4/24/2014 10:08:00 AM

Project:	Florance "O" 20				Collection 1	Date: 4/2	24/2014 10:08:00 AM	
Lab ID:	1404B18-001	Matrix:	SOIL		Received	Date: 4/2	26/2014 11:00:00 AM	
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA MET	THOD 8015D: DIESEL RAN	GE ORGANICS					Analyst	BCN
Diesel R	ange Organics (DRO)	31	10		mg/Kg	1	4/30/2014 2:28:59 AM	12899
Surr: I	DNOP	92.0	57.9-140		%REC	1	4/30/2014 2:28:59 AM	12899
EPA MET	THOD 8015D: GASOLINE R	ANGE					Analyst	: NSB
Gasoline	e Range Organics (GRO)	51	9.4		mg/Kg	2	5/1/2014 4:03:00 PM	12911
Surr: I	BFB	221	74.5-129	S	%REC	2	5/1/2014 4:03:00 PM	12911
EPA MET	THOD 8021B: VOLATILES						Analyst	NSB
Benzene)	ND	0.094		mg/Kg	2	5/1/2014 4:03:00 PM	12911
Toluene		ND	0.094		mg/Kg	2	5/1/2014 4:03:00 PM	12911
Ethylben	zene	ND	0.094		mg/Kg	2	5/1/2014 4:03:00 PM	12911
Xylenes,	Total	0.46	0.19		mg/Kg	2	5/1/2014 4:03:00 PM	12911
Surr: 4	4-Bromofluorobenzene	110	80-120		%REC	2	5/1/2014 4:03:00 PM	12911

Trench 2 re-sample event after hydrogen peroxide treatment

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Meth-	od Blank
	Е	Value above quantitation range	Н	Holding times for preparation or analysi	s exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 1 of 5
	0	RSD is greater than RSDlimit	Р	Sample pH greater than 2.	Tuge TOTS
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

Analytical Report
Lab Order 1404B18
Date Reported: 5/5/2014

Hall Environmental Analysis Laboratory, Inc.

					Anoly	H DON
Analyses		Result	RL Qual	Units	DF Date Analyzed	Batch
Lab ID:	1404B18-002	Matrix: SO	JIL	Received	Date: 4/26/2014 11:00:00 AM	•
Project:	Florance "O" 20			Collection	Date: 4/24/2014 10:33:00 AM	L
CLIENT:	Blagg Engineering		C	lient Samp	ole ID: Trench 3, 2-pt comp@1	8"

EPA METHOD 8015D: DIESEL RANGE ORG	SANICS					Analys	: BCN
Diesel Range Organics (DRO)	14	10		mg/Kg	1	4/30/2014 3:31:18 AM	12899
Surr: DNOP	102	57.9-140		%REC	1	4/30/2014 3:31:18 AM	12899
EPA METHOD 8015D: GASOLINE RANGE						Analys	: NSB
Gasoline Range Organics (GRO)	16	4.9		mg/Kg	1	5/1/2014 5:00:03 PM	12911
Surr: BFB	135	74.5-129	S	%REC	1	5/1/2014 5:00:03 PM	12911
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Benzene	ND	0.049		mg/Kg	1	5/1/2014 5:00:03 PM	12911
Toluene	0.17	0.049		mg/Kg	1	5/1/2014 5:00:03 PM	12911
Ethylbenzene	ND	0.049		mg/Kg	1	5/1/2014 5:00:03 PM	12911
Xylenes, Total	1.4	0.098		mg/Kg	1	5/1/2014 5:00:03 PM	12911
Surr: 4-Bromofluorobenzene	105	. 80-120		%RFC	1	5/1/2014 5:00:03 PM	12911

Trench 3 re-sample event after hydrogen peroxide treatment

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Metho	od Blank
	E	Value above quantitation range	Н	Holding times for preparation or analysis	s exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 2 of 5
	0	RSD is greater than RSDlimit	Р	Sample pH greater than 2.	1 450 2 01 5
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

Client:Blagg EngineeringProject:Florance "O" 20

Sample ID MB-12899	SampTyp	be: ME	BLK	Tes	tCode: El	PA Method	8015D: Dies	el Range C	Organics	
Client ID: PBS	Batch I	D: 12	399	F	RunNo: 1	8255				
Prep Date: 4/28/2014	Analysis Dat	te: 4/	29/2014	S	SeqNo: 5	28690	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	9.0		10.00		90.5	57.9	140			
Sample ID LCS-12899	SampTyp	be: LC	s	Tes	tCode: El	PA Method	8015D: Diese	el Range C	Organics	
Client ID: LCSS	Batch I	D: 12	399	Я	RunNo: 1	8255				
Prep Date: 4/28/2014	Analysis Dat	te: 4/	29/2014	S	SeqNo: 5	28691	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	97.6	60.8	145			
Surr: DNOP	4.3		5.000		86.9	57.9	140			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

WO#: 1404B18 05-May-14

WO#: 1404B18 05-May-14

Client: B Project: F	lagg Engineering lorance "O" 20									
Sample ID MB-1291	Samp	Туре: М	3LK	Tes	tCode: El	PA Method	8015D: Gase	oline Rang	e	
Client ID: PBS	Bato	h ID: 12	911	F	RunNo: 1	8302				
Prep Date: 4/28/201	4 Analysis I	Date: 4/	30/2014	S	SeqNo: 5	29105	Units: mg/ł	۲g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO) ND	5.0								
Surr: BFB	850		1000		84.8	74.5	129			
Sample ID LCS-1291	1 Samp	Type: LC	s	Tes	tCode: El	PA Method	8015D: Gase	oline Rang	e	
Client ID: LCSS	Bato	h ID: 12	911	F	RunNo: 1	8302				
Prep Date: 4/28/201	4 Analysis I	Date: 4/	30/2014	5	SeqNo: 5	29106	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	95.1	71.7	134			
Surr: BFB	940		1000		93.8	74.5	129			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

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Client: Blagg Engineering

Project: Florance "O" 20

Sample ID MB-12911	ample ID MB-12911 SampType: MBLK					TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batc	h ID: 12	911	RunNo: 18302								
Prep Date: 4/28/2014	Analysis E	Date: 4/	30/2014	S	SeqNo: 5	29274	Units: mg/K	(g				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	ND	0.050										
Toluene	ND	0.050										
Ethylbenzene	ND	0.050										
Xylenes, Total	ND	0.10										
Surr: 4-Bromofluorobenzene	1.0		1.000		101	80	120					
Sample ID LCS-12911	Samp	Type: LC	S	Tes	tCode: El	PA Method	8021B: Volat	tiles				
Sample ID LCS-12911 Client ID: LCSS	Samp1 Batcl	Гуре: LC h ID: 12 :	S 911	Tes	tCode: El RunNo: 1	PA Method 8302	8021B: Volat	tiles				
Sample ID LCS-12911 Client ID: LCSS Prep Date: 4/28/2014	SampT Batcl Analysis E	Type: LC h ID: 12: Date: 4/	S 911 30/2014	Tes F S	tCode: El RunNo: 1 SeqNo: 5	PA Method 8302 29275	8021B: Volat Units: mg/K	tiles Kg				
Sample ID LCS-12911 Client ID: LCSS Prep Date: 4/28/2014 Analyte	Samp] Batcl Analysis E Result	Гуре: LC h ID: 12 Date: 4 / PQL	S 911 30/2014 SPK value	Tes F SPK Ref Val	tCode: El RunNo: 1 SeqNo: 5 %REC	PA Method 8302 29275 LowLimit	8021B: Volat Units: mg/K HighLimit	tiles Sg %RPD	RPDLimit	Qual		
Sample ID LCS-12911 Client ID: LCSS Prep Date: 4/28/2014 Analyte Benzene	Samp Batcl Analysis E Result 1.1	Fype: LC h ID: 12 Date: 4 / PQL 0.050	S 911 30/2014 SPK value 1.000	Tes F S SPK Ref Val 0	tCode: El RunNo: 1 SeqNo: 5 %REC 108	PA Method 8302 29275 LowLimit 80	8021B: Volat Units: mg/K HighLimit 120	tiles Sg %RPD	RPDLimit	Qual		
Sample ID LCS-12911 Client ID: LCSS Prep Date: 4/28/2014 Analyte Benzene Toluene	Samp Batcl Analysis E Result 1.1 1.0	Fype: LC h ID: 12 Date: 4 PQL 0.050 0.050	S 911 30/2014 SPK value 1.000 1.000	Tes F S SPK Ref Val 0 0	tCode: El RunNo: 1 SeqNo: 5 %REC 108 99.8	PA Method 8302 29275 LowLimit 80 80	8021B: Volat Units: mg/K HighLimit 120 120	tiles (g %RPD	RPDLimit	Qual		
Sample ID LCS-12911 Client ID: LCSS Prep Date: 4/28/2014 Analyte Benzene Toluene Ethylbenzene	Samp Batcl Analysis E <u>Result</u> 1.1 1.0 1.0	Fype: LC h ID: 12 Date: 4 / PQL 0.050 0.050 0.050	S 911 30/2014 SPK value 1.000 1.000 1.000	Tes F S SPK Ref Val 0 0 0 0	tCode: El RunNo: 1 SeqNo: 5 %REC 108 99.8 101	PA Method 8302 29275 LowLimit 80 80 80	8021B: Volat Units: mg/K HighLimit 120 120 120	tiles 9 %RPD	RPDLimit	Qual		
Sample ID LCS-12911 Client ID: LCSS Prep Date: 4/28/2014 Analyte Benzene Toluene Ethylbenzene Xylenes, Total	Samp Batcl Analysis E Result 1.1 1.0 1.0 3.0	Type: LC h ID: 12: Date: 4/ PQL 0.050 0.050 0.050 0.10	S 911 30/2014 SPK value 1.000 1.000 1.000 3.000	Tes F SPK Ref Val 0 0 0 0 0	tCode: El RunNo: 1 SeqNo: 5 %REC 108 99.8 101 99.0	PA Method 8302 29275 LowLimit 80 80 80 80 80	8021B: Volat Units: mg/K HighLimit 120 120 120 120	iiles g %RPD	RPDLimit	Qual		

Qualifiers:

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

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1404B18

WO#:

05-May-14

HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmental Analysi 4901 Albuquerqu TEL: 505-345-3975 FAX: 5 Website: www.hallenviro	s Laboratory Hawkins NE e, NM 87109 05-345-4107 nmental.com	Samj	ple Log-In C	heck List
Client Name: BLAGG W	/ork Order Number: 1404	318		RcptNo:	1
Received by/date:	126114				
Logged By: Lindsay Mangin 4/26	5/2014 11:00:00 AM	Free	day Albanjo		
Completed By: Lindsay Mangin 4/28	3/2014 8:02:43 AM	Am	dy Hopp		
	1/28/14	V	• •		
Chain of Custody					
1. Custody seals intact on sample bottles?	Yes		No []	Not Present 🔀	
2. Is Chain of Custody complete?	Yes		1o 🗋	Not Present	
3. How was the sample delivered?	Cour	ier			
Log In					
4. Was an attempt made to cool the samples?	Yes	Y	No 🖽	NA	
5. Were all samples received at a temperature of >	•0° C to 6.0°C Yes	2 N	lo 🗌	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 pre-	eserved? Yes	✓	No 🗐		
9. Was preservative added to bottles?	Yes	1	No 🗹	NA	
10.VOA vials have zero headspace?	Yes	1	10	No VOA Vials 🖌	
11. Were any sample containers received broken?	Yes		No 🗹	# of preserved	
12.Does paperwork match bottle labels?	Yes	1	No 🗆	bottles checked for pH:	
(Note discrepancies on chain of custody)				(<2 0	r >12 unless noted
3, Are matrices correctly identified on Chain of Cust	tody? Yes		10 🗌	Adjusted?	
4. Is it clear what analyses were requested?	Yes		No [_]		
5. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes		No	Checked by:	
· · ·					
pecial Handling (if applicable)					
6. Was client notified of all discrepancies with this c	order? Yes	<u> </u>	10 []	NA 🗹	_
Person Notified:	Date:		THE REAL PROPERTY OF		
By Whom:	Via: 🗌 eMa	uil 🗌 Phone	📋 Fax	In Person	
Regarding:					
Client Instructions:		·····		THE REAL PROPERTY OF THE PROPERTY OF	1 1
17. Additional remarks:					
8. Cooler Information					
Cooler No. Temp °C Condition Seal In	tact Seal No Seal Da	ate Signe	d By		
1 2.7 Good Yes	·				

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Page 1 of 1

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BP America				Project Name: Florance "O" 20 Project #:				1 1	v	ww.ł	hallen	vironm	nental	.com				
Mailing Address: P.O. Box 87							4901 Hawkins NE - Albuquergue, NM 87109											
Bloomfield, NM 87413							Tel. 505-345-3975 Fax 505-345-4107											
Phone #: (505)320-1183								,		An	alysis	Requ	iest					
email or Fax#:				Project Manager:			Π							7				
QA/QC Package:				Jeff Blagg				ĺĝ										
D Other				Sampler: Jeff Blagg]	IQ.					}	ł		5		
EDD (Type)				On Ice: ﷺYes ⊡ No Sample Temperature: Ձ, 7				(GRO								VorN		
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	1 HEAL NO 1404818	BTEX (802	TPH 8015B								Air Buhhles		
04/24/2014	10:08	Soll	Trench 2, 5-pt comp@24"	1x 4oz	cool	-001	x	x			1-							
04/24/2014	10:33	Soil	Trench 3, 2-pt comp@18"	1x 4oz	cool	-002	x	x										
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		+		┠┈_───			+		╉╌╂		+	┼─┽			┝─┥	-+-		
Date:	Time: 920	Relinquish	H Begg	Received by: Date Time Remarks: Bill Blagg BP Contact: Jeff Peace BP Contact: Jeff Peace														
Date: 4/25/14	Time: 1440	Relinquish	ed by: An Wallen	Received by: Date Time Fieldse copy results to: peace.jemrey@bp.com UNDer 4/26/17 //.00).com					

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.

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