

- 3,

. 1

-

State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011

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

NMOCD

AUG 2 2 2018

DISTRICT III

Santa	10, 1010107505					
Release Notification	on and Corrective Action	a				
	OPERATOR	🗌 Initial Report 🛛 Final Report				
Name of Company: BP	Contact: Steve Moskal					
Address: 380 Airport Rd., Durango, CO 81303	Telephone No.: 505-330-9179					
Facility Name: Gartner A 005R	Facility Type: Natural gas well					
Surface Owner: Federal Mineral Owner	r: Federal	API No. 3004526961				
LOCATIO	ON OF RELEASE					
Unit LetterSectionTownshipRangeFeet from theNorL2730N08W1,620Sou		West Line County: San Juan				
Latitude <u>36.78041°</u>	Longitude					
NATUR	E OF RELEASE					
Type of Release: Unknown - hydrocarbon	Volume of Release: unknown	Volume Recovered: none				
Source of Release: Unknown – suspect earthen pit; 95 bbl BGT	Date and Hour of Occurrence:	Date and Hour of Discovery: January 2,				
Was Immediate Notice Given?	unknown If YES, To Whom?	2018				
Yes No X Not Require						
By Whom? Steve Moskal	Date and Hour:					
Was a Watercourse Reached?	If YES, Volume Impacting the Wat	ercourse.				
If a Watercourse was Impacted, Describe Fully.*						
Describe Cause of Problem and Remedial Action Taken.* During the c impacts to the soil, likely associated with an earthen pit. All excavation Approximately 700 cubic yards of soil was successfully treated and pla	a sidewalls and base were sampled with ced back into the excavation.	results below the site closure standard.				
Describe Area Affected and Cleanup Action Taken.* BP proposes to er area of concern was excavated and soil treated onsite. All excavation si Approximately 700 cubic yards of soil was successfully treated and pla	dewalls and base were sampled with rest	ults below the site closure standard.				
I hereby certify that the information given above is true and complete to regulations all operators are required to report and/or file certain release public health or the environment. The acceptance of a C-141 report by should their operations have failed to adequately investigate and remedior the environment. In addition, NMOCD acceptance of a C-141 report federal, state, or local laws and/or regulations.	e notifications and perform corrective ac the NMOCD marked as "Final Report" iate contamination that pose a threat to g t does not relieve the operator of response	tions for releases which may endanger does not relieve the operator of liability ground water, surface water, human health sibility for compliance with any other				
Signature: Man Mun	OIL CONSERVATION DIVISION					
Printed Name: Steve Moskal	Approved by Environmental Specialis	st: bill				
Title: Field Environmental Coordinator	Approval Date: 10/12/18	Expiration Date:				
E-mail Address: steven.moskal@bp.com	Conditions of Approval:	Attached				
Date: August 22, 2018 Phone: 505-330-9179 Attach Additional Sheets If Necessary	NCS1802	249990				

BP America Gartner A 5R (L) Sec 27 – T30N – R8W San Juan County, New Mexico API: 30-045-26961

Summary Record of Impact Remediation

January 2, 2018 Hydrocarbon impacted soils discovered during closure sampling of a 95 barrel below grade tank (BGT). Samples collected of impacted media immediately below the BGT at 5'. Vertical delineation grab sample collected at the 12' depth below the BGT.

January 4, 2018 Laboratory results received from BGT sampling. The 5-point composite of hydrocarbon impacted media tested at 1,788 mg/kg TPH and the sample collected at 12' tested at 253 mg/kg. NMOCD/BLM site closure standard determined at 1,000 mg/kg TPH based on:

Distance to nearest water source: > 1,000' Distance to groundwater: > 100' Distance to surface water (dry wash): < 1,000' and > 200'

<u>April 17, 2018</u> Initiate remediation via soil excavation and on-site shredding.

<u>April 18, 2018</u> Complete excavation of impacted media and conduct closure sampling. Final excavation 36'x36'x12' deep. Begin soil shredding.

April 19, 2018 Receive rush lab results from closure sampling. All samples pass site closure standard.

	April 19, 2010						
Sample ID (5-pt Comps)	Field OVM (ppm)	TPH (GRO+DRO+MRO) (mg/Kg)	Total BTEX (mg/Kg)	Benzene (mg/Kg)	Chloride (mg/Kg)		
North Wall (3'- 11')	2.9	86	ND	ND	46		
East Wall (3'- 11')	19	ND	ND	ND	ND		
South Wall (3'- 11')	5.5	ND	ND	ND	ND		
West Wall (3'- 11')	0.4	ND	ND	ND	ND		
Base @ 12'	209	290	11.46	0.26	ND		

Excavation Closure Sample Laboratory Analytical Results April 19, 2018

April 20, 2018 Conduct treated pile sampling (7 each x 100 cubic yard piles).

April 21, 2018 Receive treated pile laboratory reports. All samples pass site closure standard.

Treated Pile ID (5-pt Comps)	Field OVM (ppm)	TPH (GRO+DRO+MRO) (mg/Kg)	Total BTEX (mg/Kg)	Benzene (mg/Kg)	Chloride (mg/Kg)
TSP-1	26.9	48	1.4	ND	ND
TSP-2	17.0	76	1.6	ND	ND
TSP-3	11.9	57	1.2	ND	ND
TSP-4	24.9	95	4.059	ND	ND
TSP-5	68	108	3.801	0.031	ND
TSP-6	16.6	80	2.680	ND	ND
TSP-7	16.3	62	2.867	0.021	ND

Treated Soil Pile Laboratory Analytical Results April 20, 2018

April 24, 2018 Complete excavation backfilling.

۰.

• •

August 2, 2018 Conduct treated pile stacking area vadose zone sampling (2 each 5-point composites).

August 16, 2018 Receive laboratory analytical test reports from vadose zone sampling. All samples pass.

Treated Pile Stacking Area Vadose Zone Laboratory Analytical Results

August 2, 2018

Vadose Zone ID (5-pt Comps)	Field OVM (ppm)	TPH (GRO+DRO+MRO) (mg/Kg)	Total BTEX (mg/Kg)	Benzene (mg/Kg)	Chloride (mg/Kg)
TSP BG-1(East)	0.0	ND	ND	ND	ND
TSP BG-2(West)	0.1	ND	ND	ND	ND





April 20, 2018 Steve Moskal Blagg Engineering P. O. Box 87 Bloomfield, NM 87413 TEL: FAX Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

RE: Gartner A 5R

OrderNo.: 1804A25

Dear Steve Moskal:

Hall Environmental Analysis Laboratory received 5 sample(s) on 4/19/2018 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 qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report
Lab Order 1804A25
Date Reported: 4/20/2018

۰.

• •

Analyses		Result	POL Qua	L Units	DF Date Analyzed
Lab ID:	1804A25-001	Matrix:	MEOH (SOIL)	Received	Date: 4/19/2018 7:15:00 AM
Project:	Gartner A 5R			Collection	Date: 4/18/2018 2:05:00 PM
CLIENT:	Blagg Engineering			Client Samp	le ID: North Wall (3-11)

Analyses	Result	PQL Q	Qual U	Inits	DF	Date A	nalyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst:	MRA
Chloride	46	30	r	mg/Kg	20	4/19/20	18 11:08:56 AM	37692
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS	;					Analyst:	TOM
Diesel Range Organics (DRO)	36	9.7	r	mg/Kg	1	4/19/20	18 10:26:12 AM	37688
Motor Oil Range Organics (MRO)	50	48	r	mg/Kg	1	4/19/20	18 10:26:12 AM	37688
Surr: DNOP	93.2	70-130	0	%Rec	1	4/19/20	18 10:26:12 AM	37688
EPA METHOD 8015D: GASOLINE RANG	E						Analyst:	NSB
Gasoline Range Organics (GRO)	ND	3.4	r	mg/Kg	1	4/19/20	18 9:56:41 AM	G50698
Surr: BFB	85.9	15-316	0	%Rec	1	4/19/20	18 9:56:41 AM	G50698
EPA METHOD 8021B: VOLATILES							Analyst:	NSB
Benzene	ND	0.017	r	mg/Kg	1	4/19/20	18 9:56:41 AM	B50698
Toluene	ND	0.034	r	mg/Kg	1	4/19/20	18 9:56:41 AM	B50698
Ethylbenzene	ND	0.034	r	mg/Kg	1	4/19/20	18 9:56:41 AM	B50698
Xylenes, Total	ND	0.069	I	mg/Kg	1	4/19/20	18 9:56:41 AM	B50698
Surr: 4-Bromofluorobenzene	77.3	80-120	S G	%Rec	1	4/19/20	18 9:56:41 AM	B50698

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 1 of 10
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report
Lab Order 1804A25
Date Reported: 4/20/2018

۰.

• •

Lab ID:	1804A25-002	Matrix:	MEOH (SOIL	.) Received	Date: 4/19/2018 7:15:00 AM
Project:	Gartner A 5R			Collection	Date: 4/18/2018 2:08:00 PM
CLIENT:	Blagg Engineering			Client Samp	le ID: East Wall (3-11)

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	: MRA
Chloride	ND	30	mg/Kg	20	4/19/2018 11:21:20 AM	37692
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS	5			Analys	t: TOM
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	4/19/2018 10:49:59 AM	37688
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	4/19/2018 10:49:59 AM	37688
Surr: DNOP	96.5	70-130	%Rec	1	4/19/2018 10:49:59 AN	37688
EPA METHOD 8015D: GASOLINE RANG	Ξ				Analys	NSB
Gasoline Range Organics (GRO)	ND	3.6	mg/Kg	1	4/19/2018 10:20:14 AM	G50698
Surr: BFB	90.0	15-316	%Rec	1	4/19/2018 10:20:14 AM	G50698
EPA METHOD 8021B: VOLATILES					Analys	NSB
Benzene	ND	0.018	mg/Kg	1	4/19/2018 10:20:14 AN	B50698
Toluene	ND	0.036	mg/Kg	1	4/19/2018 10:20:14 AN	B50698
Ethylbenzene	ND	0.036	mg/Kg	1	4/19/2018 10:20:14 AN	B50698
Xylenes, Total	ND	0.071	mg/Kg	1	4/19/2018 10:20:14 AN	B50698
Surr: 4-Bromofluorobenzene	80.4	80-120	%Rec	1	4/19/2018 10:20:14 AM	B50698

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 2 of 10
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report
Lab Order 1804A25
Date Reported: 4/20/2018

۰.

• •

Analyses		Result	PQL	Qual	Units	DF Date Analyzed	Batch
Lab ID:	1804A25-003	Matrix:	MEOH (SC	DIL)	Received	Date: 4/19/2018 7:15:00 AM	
Project:	Gartner A 5R				Collection	Date: 4/18/2018 2:11:00 PM	
CLIENT:	Blagg Engineering			C	lient Samp	le ID: South Wall (3-11)	

EPA METHOD 300.0: ANIONS					Analyst:	MRA
Chloride	ND	30	mg/Kg	20	4/19/2018 11:33:45 AM	37692
EPA METHOD 8015M/D: DIESEL RANGE		5			Analyst:	MOT
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	4/19/2018 11:13:37 AM	37688
Motor Oil Range Organics (MRO)	ND	51	mg/Kg	1	4/19/2018 11:13:37 AM	37688
Surr: DNOP	89.3	70-130	%Rec	1	4/19/2018 11:13:37 AM	37688
EPA METHOD 8015D: GASOLINE RANG	E				Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.1	mg/Kg	1	4/19/2018 10:43:49 AM	G50698
Surr: BFB	88.1	15-316	%Rec	1	4/19/2018 10:43:49 AM	G50698
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.021	mg/Kg	1	4/19/2018 10:43:49 AM	B50698
Toluene	ND	0.041	mg/Kg	1	4/19/2018 10:43:49 AM	B50698
Ethylbenzene	ND	0.041	mg/Kg	1	4/19/2018 10:43:49 AM	B50698
Xylenes, Total	ND	0.083	mg/Kg	1	4/19/2018 10:43:49 AM	B50698
Surr: 4-Bromofluorobenzene	80.9	80-120	%Rec	1	4/19/2018 10:43:49 AM	B50698

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 3 of 10
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

۰.

• •

CLIENT: Blagg EngineeringClient Sample ID: West Wall (3-11)Project: Gartner A 5RCollection Date: 4/18/2018 2:14:00 PMLab ID: 1804A25-004Matrix: MEOH (SOIL)Received Date: 4/19/2018 7:15:00 AMAnalysesResultPQL Qual UnitsDF Date Analyzed

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	ND	30	mg/Kg	20	4/19/2018 11:46:10 AM	37692
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS	;			Analyst	TOM
Diesel Range Organics (DRO)	ND	8.7	mg/Kg	1	4/19/2018 11:37:28 AM	37688
Motor Oil Range Organics (MRO)	ND	44	mg/Kg	1	4/19/2018 11:37:28 AM	37688
Surr: DNOP	91.2	70-130	%Rec	1	4/19/2018 11:37:28 AM	37688
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	NSB
Gasoline Range Organics (GRO)	ND	3.7	mg/Kg	1	4/19/2018 11:07:23 AM	G50698
Surr: BFB	86.8	15-316	%Rec	1	4/19/2018 11:07:23 AM	G50698
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.018	mg/Kg	1	4/19/2018 11:07:23 AM	B50698
Toluene	ND	0.037	mg/Kg	1	4/19/2018 11:07:23 AM	B50698
Ethylbenzene	ND	0.037	mg/Kg	1	4/19/2018 11:07:23 AM	B50698
Xylenes, Total	ND	0.073	mg/Kg	1	4/19/2018 11:07:23 AM	B50698
Surr: 4-Bromofluorobenzene	79.2	80-120	S %Rec	1	4/19/2018 11:07:23 AM	B50698

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 4 of 10
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report Lab Order 1804A25

Hall Environmental Analysis Laboratory, Inc.

• .

• •

Client Sample ID: Base @12

Analyses		Result	POL C	Jual	Units	DF Date Analyzed
Lab ID:	1804A25-005	Matrix:	MEOH (SO	IL)	Received	Date: 4/19/2018 7:15:00 AM
Project:	Gartner A 5R				Collection	Date: 4/18/2018 2:16:00 PM
CLIENT:	Blagg Engineering			C	lient Samp	le ID: Base @12

Analyses	Result	PQL Qual	Units	DF Date Analyzed	Batch
EPA METHOD 300.0: ANIONS				Analyst:	MRA
Chloride	ND	30	mg/Kg	20 4/19/2018 11:58:34 AM	37692
EPA METHOD 8015M/D: DIESEL RANGE	ORGANIC	S		Analyst:	том
Diesel Range Organics (DRO)	100	9.4	mg/Kg	1 4/19/2018 12:01:06 PM	37688
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1 4/19/2018 12:01:06 PM	37688
Surr: DNOP	92.8	70-130	%Rec	1 4/19/2018 12:01:06 PM	37688
EPA METHOD 8015D: GASOLINE RANG	E			Analyst:	NSB
Gasoline Range Organics (GRO)	190	19	mg/Kg	5 4/19/2018 9:33:06 AM	G50698
Surr: BFB	191	15-316	%Rec	5 4/19/2018 9:33:06 AM	G50698
EPA METHOD 8021B: VOLATILES				Analyst:	NSB
Benzene	0.26	0.093	mg/Kg	5 4/19/2018 9:33:06 AM	B50698
Toluene	0.85	0.19	mg/Kg	5 4/19/2018 9:33:06 AM	B50698
Ethylbenzene	0.75	0.19	mg/Kg	5 4/19/2018 9:33:06 AM	B50698
Xylenes, Total	9.6	0.37	mg/Kg	5 4/19/2018 9:33:06 AM	B50698
Surr: 4-Bromofluorobenzene	86.9	80-120	%Rec	5 4/19/2018 9:33:06 AM	B50698

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 5 of 10
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Client: Project:		gg Engineering tner A 5R								
Sample ID	MB-37692	SampType: mb	əlk	Tes	(Code: EPA	A Method	300.0: Anions	5		
Client ID:	PBS	Batch ID: 37	692	F	RunNo: 5070	/04				
Prep Date:	4/19/2018	Analysis Date: 4/	19/2018	S	SeqNo: 164	15307	Units: mg/K	g		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC L	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND 1.5								
Sample ID	LCS-37692	SampType: Ics	i	Tesť	tCode: EPA	A Method	300.0: Anions	5		
Client ID:	LCSS	Batch ID: 370	692	F	RunNo: 5070	/04				
Prep Date:	4/19/2018	Analysis Date: 4/	19/2018	S	SeqNo: 164	15308	Units: mg/K	g		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC L	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14 1.5	15.00	0	96.6	90	110			

Qualifiers:

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

Page 6 of 10

Client: Blagg Engineering

• •

Project: Gartner A 5R

Sample ID LCS-37688	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics	ang ang pang pang kanang pang kalang pang pang pang pang pang pang pang p
Client ID: LCSS	Batch ID: 37688	RunNo: 50692		
Prep Date: 4/19/2018	Analysis Date: 4/19/2018	SeqNo: 1644090	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit	Qual
Diesel Range Organics (DRO)	49 10 50.00	0 97.7 70	130	
Surr: DNOP	4.0 5.000	80.7 70	130	
Sample ID MB-37688	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics	
Client ID: PBS	Batch ID: 37688	RunNo: 50692		
Prep Date: 4/19/2018	Analysis Date: 4/19/2018	SeqNo: 1644091	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit	Qual
Diesel Range Organics (DRO)	ND 10			
Motor Oil Range Organics (MRO) Surr: DNOP	ND 50	06.4 70	100	
Suil. DNOP	9.6 10.00	96.1 70	130	
Sample ID 1804A25-001AMS	SampType: MS	TestCode: EPA Method	8015M/D: Diesel Range Organics	
Client ID: North Wall (3-11)	Batch ID: 37688	RunNo: 50693		
Prep Date: 4/19/2018	Analysis Date: 4/19/2018	SeqNo: 1644421	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit	Qual
Diesel Range Organics (DRO)	74 9.7 48.59	35.68 79.1 55.8	125	
Surr: DNOP	4.3 4.859	88.4 70	130	
Sample ID 1804A25-001AMS	D SampType: MSD	TestCode: EPA Method	8015M/D: Diesel Range Organics	
Client ID: North Wall (3-11)	Batch ID: 37688	RunNo: 50693		
Prep Date: 4/19/2018	Analysis Date: 4/19/2018	SeqNo: 1644505	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit	Qual
Diesel Range Organics (DRO)	68 9.8 48.88	35.68 66.1 55.8	125 8.64 20	
Surr: DNOP	4.6 4.888	93.5 70	130 0 0	
Sample ID LCS-37670	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics	
Client ID: LCSS	Batch ID: 37670	RunNo: 50693		
Prep Date: 4/18/2018	Analysis Date: 4/19/2018	SeqNo: 1644506	Units: %Rec	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit	Qual
Surr: DNOP	4.2 5.000	84.7 70	130	
Sample ID MB-37670	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics	
Client ID: PBS	Batch ID: 37670	RunNo: 50693		
Prep Date: 4/18/2018	Analysis Date: 4/19/2018	SeqNo: 1644507	Units: %Rec	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit	Qual

Qualifiers:

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

Page 7 of 10

WO#: 1804A25

20-Apr-18

Client:Blagg EngineeringProject:Gartner A 5R

• .

Sample ID MB-37670	SampTy	pe: ME	BLK	Test	Code: I	EPA Method	8015M/D: Die	sel Range	organics	
Client ID: PBS	Batch	D: 37	670	R	lunNo:	50693				
Prep Date: 4/18/2018	Analysis Da	te: 4/	19/2018	S	eqNo:	1644507	Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.6		10.00		96.1	70	130			

Qualifiers:

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

Page 8 of 10

WO#: 1804A25 20-Apr-18

•

WO#: 1804A25

20-Apr-18

Client: Project:	Blagg En Gartner A	0 0									
Sample ID RB	the the second secon	SampTy	ype: ME	BLK	Tes	tCode: E	PA Method	8015D: Gaso	oline Rang	e	
Client ID: PB	6	Batch	ID: G5	50698	F	RunNo: 5	50698				
Prep Date:		Analysis Da	ate: 4/	19/2018	5	SeqNo: 1	644629	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Org Surr: BFB	anics (GRO)	ND 850	5.0	1000		84.6	15	316			
Sample ID 2.5	JG GRO LCS	SampTy	ype: LC	s	Tes	tCode: E	PA Method	8015D: Gaso	oline Rang	e	
Client ID: LCS	ss	Batch	ID: G5	50698	F	RunNo: 5	50698				
Prep Date:		Analysis Da	ate: 4/	19/2018	S	SeqNo: 1	644630	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Org	anics (GRO)	26	5.0	25.00	0	105	75.9	131		ananista ny sananarin'i nany sela	
Surr: BFB		980		1000		98.4	15	316			
Sample ID 180	4A25-001AMS	SampTy	ype: MS	3	Tes	tCode: E	PA Method	8015D: Gaso	oline Rang	e	
Client ID: Nor	th Wall (3-11)	Batch	ID: G5	50698	F	RunNo: 5	50698				
Prep Date:		Analysis Da	ate: 4/	19/2018	S	SeqNo: 1	644631	Units: mg/k	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Org	anics (GRO)	18	3.4	17.14	0	106	77.8	128			
Surr: BFB		730		685.4		106	15	316			
Sample ID 180	4A25-001AMSI	D SampTy	pe: MS	SD	Tes	tCode: E	PA Method	8015D: Gaso	line Rang	e	
Client ID: Nor	th Wall (3-11)	Batch	ID: G5	50698	F	RunNo: 5	0698				
Prep Date:		Analysis Da	ate: 4/	19/2018	S	SeqNo: 1	644632	Units: mg/k	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Org	anics (GRO)	18	3.4	17.14	0	105	77.8	128	0.417	20	
Surr: BFB		710		685.4		104	15	316	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded Η
- Not Detected at the Reporting Limit ND
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- В Analyte detected in the associated Method Blank
- E
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified W

Page 9 of 10

- Value above quantitation range

800	ALC: NO. OF COMPANY
-	

Client: Blagg Engineering Project: Gartner A 5R

. .

Project:	Gartiler A	JK									
Sample ID	RB	Samp1	ype: ME	BLK	Tes	tCode: El	PA Method	8021B: Volat	tiles	an Sanah ang ana kanang makang katang kanang ka	
Client ID:	PBS	Batcl	h ID: B5	0698	F	unNo: 5	0698				
Prep Date:		Analysis [Date: 4/	19/2018	5	eqNo: 1	644647	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND	0.025								
Toluene		ND	0.050								
Ethylbenzene		ND	0.050								
Xylenes, Total		ND	0.10								
Surr: 4-Brom	ofluorobenzene	0.81		1.000		80.7	80	120			
Sample ID	100NG BTEX LCS	SampT	ype: LC	S	Tes	Code: El	PA Method	8021B: Volat	tiles		
Client ID:	LCSS	Batcl	n ID: B5	0698	R	unNo: 50	0698				
Prep Date:		Analysis D	Date: 4/	19/2018	S	eqNo: 1	644648	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.94	0.025	1.000	0	94.5	77.3	128			
Toluene		0.92	0.050	1.000	0	92.3	79.2	125			
Ethylbenzene		0.92	0.050	1.000	0	91.6	80.7	127			
Xylenes, Total		2.8	0.10	3.000	0	93.5	81.6	129			
Surr: 4-Brom	ofluorobenzene	0.81		1.000		81.3	80	120			
Sample ID	1804A25-002AMS	SampT	ype: MS	5	Test	Code: El	PA Method	8021B: Volat	tiles		n weite en ster verschreide state Ber
Client ID:	East Wall (3-11)	Batcl	n ID: B5	0698	R	unNo: 50	0698				
Prep Date:		Analysis D	Date: 4/	19/2018	S	eqNo: 10	644649	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.68	0.018	0.7138	0	95.1	68.5	133			
Toluene		0.68	0.036	0.7138	0.006852	93.7	75	130			
Ethylbenzene		0.67	0.036	0.7138	0	93.3	79.4	128			
Xylenes, Total		2.0	0.071	2.141	0	95.4	77.3	131			
Surr: 4-Brom	ofluorobenzene	0.61		0.7138		85.4	80	120			
Sample ID	1804A25-002AMSE) SampT	ype: MS	D	Test	Code: EF	PA Method	8021B: Volat	iles		
Client ID:	East Wall (3-11)	Batch	n ID: B5	0698	R	unNo: 50	0698				
Prep Date:		Analysis D	ate: 4/	19/2018	S	eqNo: 10	6446 <mark>5</mark> 0	Units: mg/K	g		
Analyte		Result	PQL	the second second part of the second s	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.66	0.018	0.7138	0	92.4	68.5	133	2.80	20	

Toluene

Ethylbenzene

Xylenes, Total

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix

Surr: 4-Bromofluorobenzene

- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range

91.2

91.3

93.2

83.0

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

0.7138 0.006852

0

0

0.7138

2.141

0.7138

0.036

0.036

0.071

0.66

0.65

2.0

0.59

- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

75

79.4

77.3

80

130

128

131

120

2.63

2.23

2.34

0

20

20

20

0

Page 10 of 10

WO#: 1804A25

20-Apr-18

HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmental Albi TEL: 505-345-3975 Website: www.ha	4901 Hawkin querque, NM 87 FAX: 505-345	s NE 7109 Sam 4107	ple Log-In Check List
Client Name: BLAGG	Work Order Number:	1804A25		RcptNo: 1
Received By: Isaiah Ortiz	4/19/2018 7:15:00 AM		IG	•
Completed By: Isalah Ortiz Reviewed By: SPL 04/19/18 LB: ENM	4/19/2018 7:34:44 AM		IGht	•
Chain of Custody 1. Is Chain of Custody complete?		Yes 🗹	No 🗌	Not Present
 A chain of custody complete? How was the sample delivered? 		Courier		
Log In 3. Was an attempt made to cool the samples?		Yes 🔽	No 🗌	NA 🗌
4. Were all samples received at a temperature	of >0° C to 6.0°C	Yes 🗹	No 🗌	NA 🗌
5. Sample(s) in proper container(s)?		Yes 🔽	No 🗌	
6. Sufficient sample volume for indicated test(s))?	Yes 🗹	No 🗌	
7. Are samples (except VOA and ONG) properly	y preserved?	Yes 🖌	No 🗌	
8. Was preservative added to bottles?		Yes	No 🖌	NA 🗌
9. VOA vials have zero headspace?		Yes	No 🗌	No VOA Vials 🗹
10. Were any sample containers received broke	n?	Yes	No 🗸	# of preserved
11.Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 🔽	No 🗌	bottles checked for pH:
12. Are matrices correctly identified on Chain of 6	Custody?	Yes 🖌	No 🗌	Adjusteda
13. Is it clear what analyses were requested?		Yes 🖌	No 🗌	Chin
14. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes 🗹	No 🗌	Checked by:
Special Handling (if applicable)				
15. Was client notified of all discrepancies with t	his order?	Yes	No 🗌	NA 🗹
Person Notified: By Whom: Regarding:	Date: Via:] eMail 📋 P	Phone 🗌 Fax	In Person
Client Instructions:				
16. Additional remarks:				
		eal Date	Signed By	
1 0.4 Good Yes	Beneric a succession of the second			

• 、

• •

C	hain	of-Cu	ustody Record	Turn-Around	Time:]						-			~			BIT 4	
Client:	BP A	MERICA		☐ Standard	Rush	SAME DAY	-													
	Bur	E.V.I.Im	ERVIC INC.	Project Name	e:															
Mailing	Address	CNEINE	ERVE INC.	GART	GARTNER A 5R					www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109										
-				Project #:		014	1		ol A						-					
Phone	# (5)	5) 371	0-1183	-			26	16	a. 50	10-34	+0-3	Contraction of the			and the second second	-345 ues	And in case of the local division of the loc		11-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	They be and
email o		9/00	0- ((0))	Project Mana	Project Manager:			<u>y</u>	Ô				al sheets	Constanting of the	CENTRAL CO.					
	Package:						(8021)	s only)	MR			()		SO	B'S					
XStan			Level 4 (Full Validation)	DIE	VE MOSKAL		s (8((Gas	0			SIMS)		DO	PCB					
Accredi				Sampler:	TEFF BLAG	, T	TMB's	TPH (Gas	/ DF	(1)	70 5		VO2,	8082					î
O NEL		□ Othe		On Ice:	On Ice: 🖸 Yes 🗆 No			+	RO	118	504.	r 82	s	03.7	s / 8		(YC			ŏ
	(Type)			Sample Temperature: 0.6-0.2 (CF) 0.4			MTBE	MTBE	3 (G	poi	pol	10 0	etal	N.S	cide	(A)	i-VC	in)		× s
Date	Time	Matrix	Sample Request ID	Container Preservative		+	+ ×	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270	RCRA 8 Metals	Anions (F,CI,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄)	8081 Pesticides /	8260B (VOA)	8270 (Semi-VOA)	CHLORIDE		Bubbles (Y	
				Type and #	18041425		BTEX	BTE	Hdl	HAT	EDB	PAF	RCF	Anio	808	826(827(0		Air B
18/2018	1405	SOIL	NORTH Wall (3-11)			X		X									X			
ļ	1403		EAST Wall (3'-11')	1 -002		-		1												
	1411		South Wall (3'-11')			-003														
	1414		West Wall (3-11)			-004			All Course of											
1	1416		BASE @ 12	-	1	-005			-											
				na an Adama an Anna an																
														-						
Date:	Time	Religquish	ed by	Received by:	2	Date, Time	Rer	nark	s:	Bi	4	BP		1			I			
118/2018	1647	Juff	Blagg	Must	When	7/18/2018 1647	7	L.	UZS	0.0	tra.	17.	ST	EVE	Mos	KAL				
Date: Time: Relinquished by: Received by:			Received by		Date Time		V	-0)	Looka .	- ME	inte i l	6	L= ()	UCI	- 5	GA	SLUX!	er A5r	C	
1/18/16	1556	1 mio	the Whele	12.0		4/19/18 07/5	A	1 5	5-	pt	4	any	203	ite	2					

.

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.



April 24, 2018 Steve Moskal Blagg Engineering P. O. Box 87 Bloomfield, NM 87413 TEL: (505) 632-1199 FAX (505) 632-3903

RE: GARTNER A 5R

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.: 1804B34

Dear Steve Moskal:

Hall Environmental Analysis Laboratory received 7 sample(s) on 4/21/2018 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 qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

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

Sincerely,

ander

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report Lab Order 1804B34

Hall Environmental Analysis Laboratory, Inc.

•

· .

Date Reported: 4/24/2018

CLIENT: Blagg Engineering				lient Samp			
Project: GARTNER A 5R						0/2018 1:34:00 PM	
Lab ID: 1804B34-001	Matrix: S	SOIL		Received	Date: 4/2	1/2018 9:40:00 AM	
Analyses	Result	PQL Q)ual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	MRA
Chloride	ND	30		mg/Kg	20	4/23/2018 11:42:23 AM	37741
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS					Analyst	TOM
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	4/23/2018 11:06:46 AM	37738
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/23/2018 11:06:46 AM	37738
Surr: DNOP	89.4	70-130		%Rec	1	4/23/2018 11:06:46 AM	37738
EPA METHOD 8015D: GASOLINE RAN	GE					Analyst	NSB
Gasoline Range Organics (GRO)	48	3.5		mg/Kg	1	4/23/2018 9:56:26 AM	37717
Surr: BFB	468	15-316	S	%Rec	1	4/23/2018 9:56:26 AM	37717
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Benzene	ND	0.017		mg/Kg	1	4/23/2018 9:56:26 AM	37717
Toluene	ND	0.035		mg/Kg	1	4/23/2018 9:56:26 AM	37717
Ethylbenzene	ND	0.035		mg/Kg	1	4/23/2018 9:56:26 AM	37717
Xylenes, Total	1.4	0.069		mg/Kg	1	4/23/2018 9:56:26 AM	37717
Surr: 4-Bromofluorobenzene	112	80-120		%Rec	1	4/23/2018 9:56:26 AM	37717

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 1 of 11
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report Lab Order 1804B34

Batch

Analyst: MRA

Analyst: TOM

Analyst: NSB

Analyst: NSB

4/23/2018 11:54:47 AM 37741

4/23/2018 11:30:31 AM 37738

4/23/2018 11:30:31 AM 37738

4/23/2018 11:30:31 AM 37738

4/23/2018 10:19:46 AM 37717

Hall Environmental Analysis Laboratory, Inc.

EPA METHOD 8015M/D: DIESEL RANGE ORGANICS

EPA METHOD 300.0: ANIONS

Diesel Range Organics (DRO)

Motor Oil Range Organics (MRO)

Gasoline Range Organics (GRO)

EPA METHOD 8021B: VOLATILES

Surr: 4-Bromofluorobenzene

EPA METHOD 8015D: GASOLINE RANGE

Chloride

Surr: DNOP

Surr: BFB

Benzene

Toluene

Ethylbenzene

Xylenes, Total

.

. .

Date Reported: 4/24/2018

20

1

1

1

1

1

1

1

1

1

1

CLIENT:	Blagg Engineering			C	lient Sa	mple ID: TSP-2
Project:	GARTNER A 5R				Collecti	on Date: 4/20/2018 1:38:00 PM
Lab ID:	1804B34-002	Matrix:	SOIL		Receiv	ed Date: 4/21/2018 9:40:00 AM
Analyses		Result	PQL	Qual	Units	DF Date Analyzed

30

10

50

3.2

S

15-316

0.016

0.032

0.032

0.064

80-120

70-130

mg/Kg

mg/Kg

mg/Kg

%Rec

mg/Kg

%Rec

mg/Kg

mg/Kg

mg/Kg

mg/Kg

%Rec

ND

11

ND

90.5

66

562

ND

ND

ND

1.6

113

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 2 of 11
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

• .

Lab ID:

CLIENT: Blagg Engineering Client Sample ID: TSP-3 **Project:** GARTNER A 5R Collection Date: 4/20/2018 1:42:00 PM 1804B34-003 Received Date: 4/21/2018 9:40:00 AM Matrix: SOIL

Analyses	Result	PQL Q	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	ND	30	mg/Kg	20	4/23/2018 12:07:12 PM	37741
EPA METHOD 8015M/D: DIESEL RANG		5			Analyst	TOM
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	4/23/2018 11:54:19 AM	37738
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	4/23/2018 11:54:19 AM	37738
Surr: DNOP	88.1	70-130	%Rec	1	4/23/2018 11:54:19 AM	37738
EPA METHOD 8015D: GASOLINE RANG	GE				Analyst	NSB
Gasoline Range Organics (GRO)	57	3.6	mg/Kg	1	4/23/2018 10:43:01 AM	37717
Surr: BFB	420	15-316	S %Rec	1	4/23/2018 10:43:01 AM	37717
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.018	mg/Kg	1	4/23/2018 10:43:01 AM	37717
Toluene	ND	0.036	mg/Kg	1	4/23/2018 10:43:01 AM	37717
Ethylbenzene	ND	0.036	mg/Kg	1	4/23/2018 10:43:01 AM	37717
Xylenes, Total	1.2	0.071	mg/Kg	1	4/23/2018 10:43:01 AM	37717
Surr: 4-Bromofluorobenzene	109	80-120	%Rec	1	4/23/2018 10:43:01 AM	37717

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 3 of 11
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT:Blagg EngineeringProject:GARTNER A 5RLab ID:1804B34-004	Matrix:	SOIL		Collectio	mple ID: TSP-4 on Date: 4/20/2018 1:46:00 PM ed Date: 4/21/2018 9:40:00 AM
Analyses	Result	PQL	Qual	Units	DF Date Analyzed Batch
EPA METHOD 300.0: ANIONS					Analyst: MRA
Chloride	ND	30		mg/Kg	20 4/23/2018 12:19:37 PM 37741
EPA METHOD 8015M/D: DIESEL RANGE	ORGANIC	S			Analyst: TOM
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1 4/23/2018 12:18:09 PM 37738
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1 4/23/2018 12:18:09 PM 37738
Surr: DNOP	91.1	70-130		%Rec	1 4/23/2018 12:18:09 PM 37738
EPA METHOD 8015D: GASOLINE RANG	E				Analyst: NSB
Gasoline Range Organics (GRO)	95	4.0		mg/Kg	1 4/23/2018 11:06:18 AM 37717
Surr: BFB	510	15-316	S	%Rec	1 4/23/2018 11:06:18 AM 37717
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.020		mg/Kg	1 4/23/2018 11:06:18 AM 37717
Toluene	0.089	0.040		mg/Kg	1 4/23/2018 11:06:18 AM 37717
Ethylbenzene	0.27	0.040		mg/Kg	1 4/23/2018 11:06:18 AM 37717
Xylenes, Total	3.7	0.080		mg/Kg	1 4/23/2018 11:06:18 AM 37717
Surr: 4-Bromofluorobenzene	116	80-120		%Rec	1 4/23/2018 11:06:18 AM 37717

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 4 of 11
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

• •

Lab ID:

CLIENT: Blagg Engineering Client Sample ID: TSP-5 **Project:** GARTNER A 5R Collection Date: 4/20/2018 1:49:00 PM 1804B34-005 Matrix: SOIL Received Date: 4/21/2018 9:40:00 AM

Analyses	Result	PQL (Qual U	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	MRA
Chloride	ND	30		mg/Kg	20	4/23/2018 12:32:02 PM	37741
EPA METHOD 8015M/D: DIESEL RAI	NGE ORGANICS					Analyst	TOM
Diesel Range Organics (DRO)	13	9.9		mg/Kg	1	4/23/2018 12:41:55 PM	37738
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/23/2018 12:41:55 PM	37738
Surr: DNOP	91.8	70-130		%Rec	1	4/23/2018 12:41:55 PM	37738
EPA METHOD 8015D: GASOLINE RA	NGE					Analyst	NSB
Gasoline Range Organics (GRO)	95	3.6		mg/Kg	1	4/23/2018 11:29:30 AM	37717
Surr: BFB	608	15-316	S	%Rec	1	4/23/2018 11:29:30 AM	37717
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Benzene	0.031	0.018		mg/Kg	1	4/23/2018 11:29:30 AM	37717
Toluene	0.12	0.036		mg/Kg	1	4/23/2018 11:29:30 AM	37717
Ethylbenzene	0.25	0.036		mg/Kg	1	4/23/2018 11:29:30 AM	37717
Xylenes, Total	3.4	0.071		mg/Kg	1	4/23/2018 11:29:30 AM	37717
Surr: 4-Bromofluorobenzene	116	80-120		%Rec	1	4/23/2018 11:29:30 AM	37717

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 5 of 11
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report Lab Order 1804B34

Date Reported: 4/24/2018

Hall Environmental Analysis Laboratory, Inc.

• ,

• .

Analyses	Result	PQL Qual	Units	DF Date Analyzed	В
Lab ID: 1804B34-006	Matrix: S	OIL	Receive	d Date: 4/21/2018 9:40:00 AM	
Project: GARTNER A 5R			Collectio	n Date: 4/20/2018 1:52:00 PM	
CLIENT: Blagg Engineering		С	lient Sam	ple ID: TSP-6	

Analyses	Result	PQL (Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	MRA
Chloride	ND	30		mg/Kg	20	4/23/2018 12:44:26 PM	37741
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS					Analyst	TOM
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	4/23/2018 1:05:42 PM	37738
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/23/2018 1:05:42 PM	37738
Surr: DNOP	89.7	70-130		%Rec	1	4/23/2018 1:05:42 PM	37738
EPA METHOD 8015D: GASOLINE RANG	GE					Analyst	NSB
Gasoline Range Organics (GRO)	80	4.2		mg/Kg	1	4/23/2018 11:52:48 AM	37717
Surr: BFB	501	15-316	S	%Rec	1	4/23/2018 11:52:48 AM	37717
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Benzene	ND	0.021		mg/Kg	1	4/23/2018 11:52:48 AM	37717
Toluene	ND	0.042		mg/Kg	1	4/23/2018 11:52:48 AM	37717
Ethylbenzene	0.18	0.042		mg/Kg	1	4/23/2018 11:52:48 AM	37717
Xylenes, Total	2.5	0.084		mg/Kg	1	4/23/2018 11:52:48 AM	37717
Surr: 4-Bromofluorobenzene	114	80-120		%Rec	1	4/23/2018 11:52:48 AM	37717

and the second se				
Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 6 of 11
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

.

. .

 CLIENT: Blagg Engineering
 Client Sample ID: TSP-7

 Project: GARTNER A 5R
 Collection Date: 4/20/2018 1:55:00 PM

 Lab ID: 1804B34-007
 Matrix: SOIL
 Received Date: 4/21/2018 9:40:00 AM

 Analyses
 Result
 PQL
 Qual
 Units
 DF
 Date Analyzed
 Batch

				Analyst:	MRA
ND	30	mg/Kg	20	4/23/2018 12:56:50 PM	37741
E ORGANICS				Analyst	TOM
ND	9.8	mg/Kg	1	4/23/2018 1:29:35 PM	37738
ND	49	mg/Kg	1	4/23/2018 1:29:35 PM	37738
90.6	70-130	%Rec	1	4/23/2018 1:29:35 PM	37738
GE				Analyst:	NSB
62	3.1	mg/Kg	1	4/23/2018 12:16:07 PM	37717
465	15-316	S %Rec	1	4/23/2018 12:16:07 PM	37717
				Analyst:	NSB
0.021	0.015	mg/Kg	1	4/23/2018 12:16:07 PM	37717
0.066	0.031	mg/Kg	1	4/23/2018 12:16:07 PM	37717
0.18	0.031	mg/Kg	1	4/23/2018 12:16:07 PM	37717
2.6	0.061	mg/Kg	1	4/23/2018 12:16:07 PM	37717
114	80-120	%Rec	1	4/23/2018 12:16:07 PM	37717
	E ORGANICS ND ND 90.6 GE 62 465 0.021 0.066 0.18 2.6	AB ND 9.8 ND 49 90.6 70-130 GE 62 3.1 465 15-316 0.021 0.015 0.066 0.031 0.18 0.031 0.18 0.061 0.061 0.061 0.061 0.061	ND 9.8 mg/Kg ND 49 mg/Kg 90.6 70-130 %Rec GE GE GE 62 3.1 mg/Kg 465 15-316 S 0.021 0.015 mg/Kg 0.066 0.031 mg/Kg 0.18 0.031 mg/Kg 2.6 0.061 mg/Kg	ND 9.8 mg/Kg 1 ND 49 mg/Kg 1 90.6 70-130 %Rec 1 GE 62 3.1 mg/Kg 1 GE 62 3.1 mg/Kg 1 0.021 0.015 mg/Kg 1 0.066 0.031 mg/Kg 1 0.18 0.031 mg/Kg 1 2.6 0.061 mg/Kg 1	E ORGANICS Analyst: ND 9.8 mg/Kg 1 4/23/2018 1:29:35 PM 1 ND 49 mg/Kg 1 4/23/2018 1:29:35 PM 1 90.6 70-130 %Rec 1 4/23/2018 1:29:35 PM 1 GE Analyst: Analyst: Analyst: 1 4/23/2018 1:29:35 PM GE Analyst: Analyst: Analyst: Analyst: 62 3.1 mg/Kg 1 4/23/2018 12:16:07 PM 465 15-316 S %Rec 1 4/23/2018 12:16:07 PM 0.021 0.015 mg/Kg 1 4/23/2018 12:16:07 PM Analyst: 0.021 0.015 mg/Kg 1 4/23/2018 12:16:07 PM 0.18 0.031 mg/Kg 1 4/23/2018 12:16:07 PM 0.18 0.061 mg/Kg 1 4/23/2018 12:16:07 PM 2.6 0.061 mg/Kg 1 4/23/2018 12:16:07 PM

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 7 of 11
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

	-
ALCONFERENCE (THE REPORT OF THE PERSON OF TH	
Client:	Blagg Engineering
Chent:	Diagg Engineering

Project: GARTNER A 5R

• ,

-			
Sample ID MB-37741	SampType: mblk	TestCode: EPA Method 300.0: Anions	
Client ID: PBS	Batch ID: 37741	RunNo: 50775	
Prep Date: 4/23/2018	Analysis Date: 4/23/2018	SeqNo: 1647500 Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit	%RPD RPDLimit Qual
Chloride	ND 1.5		
Sample ID LCS-37741	SampType: Ics	TestCode: EPA Method 300.0: Anions	
Client ID: LCSS	Batch ID: 37741	RunNo: 50775	
Prep Date: 4/23/2018	Analysis Date: 4/23/2018	SeqNo: 1647501 Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit	%RPD RPDLimit Qual
Chloride	15 1.5 15.00	0 97.1 90 110	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Page 8 of 11

WO#: 1804B34

• 、

WO#: 1804B34

24-Apr-18

	ngineering IER A 5R									
Sample ID LCS-37738 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics										
Client ID: LCSS	Batch	ID: 37	738	F	RunNo: 5	0757				
Prep Date: 4/23/2018	Analysis Da	ate: 4/	23/2018	S	SeqNo: 10	646530	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	89.1	70	130		atal cannot ad man of a young the mark on constraints and at	
Surr: DNOP	3.8		5.000		76.9	70	130			
Sample ID MB-37738	SampTy	/pe: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	n dyffio faffin af fran Swart Sw
Client ID: PBS	Batch	ID: 37	738	F	RunNo: 50	0757				
Prep Date: 4/23/2018	Analysis Da	ate: 4/	23/2018	S	SeqNo: 10	646531	Units: mg/M	íg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Notor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.4		10.00		84.3	70	130			

Qualifiers:

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

Page 9 of 11

.

won.	1004054
	24-Apr-18
Construction of the sales of the local	

	Engineering NER A 5R	
Sample ID MB-37717	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range
Client ID: PBS	Batch ID: 37717	RunNo: 50769
Prep Date: 4/20/2018	Analysis Date: 4/23/2018	SeqNo: 1647174 Units: mg/Kg
Analyte	Result PQL SPK value	e SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qua
Gasoline Range Organics (GRO) Surr: BFB	ND 5.0 860 1000	0 85.8 15 316
Sample ID LCS-37717	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range
Client ID: LCSS	Batch ID: 37717	RunNo: 50769
Prep Date: 4/20/2018	Analysis Date: 4/23/2018	SeqNo: 1647175 Units: mg/Kg
Analyte	Result PQL SPK value	e SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qua
Gasoline Range Organics (GRO) Surr: BFB	28 5.0 25.00 970 1000	

Qualifiers:

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

Page 10 of 11

Client: Blagg Engineering

• ,

Project: GARTNER A 5R

		Sector States of the sector of		president and a log of the second descent to		per brouge the big days on and any strength of the		and a second		
Sample ID MB-37717	Sampl	Гуре: МЕ	BLK	Tes	tCode: E	PA Method	8021B: Vola	tiles	anny dynastad for hyf andar de fan	na na dana kaning mga kana kina kana kina ng kang kana kina kina kina kina kina kina kina
Client ID: PBS	Batcl	h ID: 37	717	F	RunNo: 5	0769				
Prep Date: 4/20/2018	Analysis E	Date: 4/	23/2018	S	SeqNo: 1	647188	Units: mg/k	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025	an in the second se							
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.95		1.000		94.8	80	120			
Sample ID LCS-37717	SampT	Type: LC	S	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: LCSS	Batch	h ID: 37	717	F	RunNo: 5	0769				
Prep Date: 4/20/2018	Analysis D	Date: 4/	23/2018	S	SeqNo: 1	647189	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	100	77.3	128			
Toluene	1.0	0.050	1.000	0	104	79.2	125			
Ethylbenzene	1.0	0.050	1.000	0	103	80.7	127			
Xylenes, Total	3.2	0.10	3.000	0	106	81.6	129			
Surr: 4-Bromofluorobenzene	0.98		1.000		97.5	80	120			

Qualifiers:

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

Page 11 of 11

WO#: 1804B34

24-Apr-18

HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmental Albu TEL: 505-345-3975 Website: www.ha	490 uquerq FAX:	1 Hawkir ue, NM 8 505-345-	ns NE 87109 84107	San	nple Log-In Check List
Client Name: BLAGG	Work Order Number:	1804	4B34			RcptNo: 1
Received By: Isaiah Ortiz	4/21/2018 9:40:00 AM		. T	IG	the state	-
Completed By: Anne Thorne	4/23/2018 6:50:32 AM			I G Anne	1	
Reviewed By:	4/23/18			ama	110	
Chain of Custody			м.			
1. Is Chain of Custody complete?		Yes	\checkmark	No		Not Present
2. How was the sample delivered?		Cour	ier			
l an In	-					
Log In 3. Was an attempt made to cool the samples?		Yes	~	No		NA 🗌
4. Were all samples received at a temperature of	f >0° C to 6.0°C	Yes	\checkmark	No		NA 🗌
5. Sample(s) in proper container(s)?		Yes	\checkmark	No		
6. Sufficient sample volume for indicated test(s)?	2	Yes	\checkmark	No		
7. Are samples (except VOA and ONG) properly	preserved?	Yes	\checkmark	No		
8. Was preservative added to bottles?		Yes		No	~	NA 🗌
9. VOA vials have zero headspace?		Yes		No		No VOA Vials 🗹
10. Were any sample containers received broken	?	Yes		No	V	# of preserved
11. Does paperwork match bottle labels?		Yes	\checkmark	No		bottles checked for pH:
(Note discrepancies on chain of custody)	untodu?	Vaa	\checkmark	No		(<2 or >12 unless noted) Adjusted?
 Are matrices correctly identified on Chain of C Is it clear what analyses were requested? 		Yes Yes		No	_	
14. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes		No		Checked by:
Special Handling (if applicable)						
15. Was client notified of all discrepancies with th	is order?	Yes	\square	No		NA 🗹
Person Notified:	autoopperaterioraan '					
By Whom:	Date Via:	eMa	ail 🗍 F	Phone	Fax	In Person
Regarding:						
Client Instructions:		1997 ANG			ng Printer State State	nar ann an ann an ann ann ann ann ann an
16. Additional remarks:						
17. Cooler Information				Cinerad		l
Cooler No Temp °C Condition Sea 1 0.5 Good Yes	I Intact Seal No S	eal Da	ite	Signed E	sy	-
				10-10-10 - 1		1

• 、

• .

Client:	BPA	MERICA	ISTODY Record	Turn-Around	X Rush	SAME DAT				A	N		YS	515	5 L	AE	30				
Mailing	Address			GA GA	rtner A	SR		49	01 H			NE -						109			
				Project #:	and a second		1)5-34				Fax							
Phone #	+ 51)	5-3	20-1183	1				10	sr. 50	0-34	-3-3	A REAL PROPERTY.	Contraction of the	/sis	CARGO AND ADD	THE OWNER WATER	No. of Concession, name				
email or		9 00		Project Mana	aer:			<u>[y]</u>	ô												
QA/QC F	Package:		Level 4 (Full Validation)	1	ive Mosk	+C	\$ (8021	+ TPH (Gas only)	DRO / MRO)			SIMS)		PO4,SC	PCB's						
Accredi		Othe	er	On Ice;	TEFF B.A.	🗆 No		HdT +	RO /	118.1)	504.1)	r 8270 S	0	0 ₃ ,NO ₂	s / 8082		(AC			1	or N)
Date	Time	Matrix	Sample Request ID	AS04/25/17	Preservative Type		BTEX + MTBE + 1MB's (8021)	BTEX + MTBE	TPH 8015B (GRO	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270	RCRA 8 Metals	Anions (F,Cl,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄)	8081 Pesticides / 8082	8260B (VOA)	8270 (Semi-VOA)	CHLORIDE			Air Bubbles (Y
4/20/2019	1334	Soc	TSP-1	402×1	COOL	105-	X		X									X			
1	1338	1	T3P-2	1	1	702	1		i									1			
	1342		TSP-3			203	\mathbf{H}											11	1	+	
	1346		TSP-4			-204	11												-	+	
1	1349		TSP-5			-205													-		
	1352		TSP-6			-206													1	-	
	1355		T3P-7			-207	11		\top									11	1	1	
	()))																				
4/20/2018 Date: 1/20/2018 Date: 1/20/18	1515 Time: 1846	Relinquish Relinquish	Blogg	Received by: Received by:	Corredited laboratori	Date Time $\frac{1}{20}2019$ 1575 Date Time $\frac{4}{91}18$ 0940 es. This serves as notice of this	No	WBS	EL SA	EME	NT .	ST L	L-G	> w	Т- е пн	E:G Hzi	Dz		ASR al report		
	L																				

.

. .



August 16, 2018 Steve Moskal Blagg Engineering P. O. Box 87 Bloomfield, NM 87413 TEL: (505) 632-1199 FAX (505) 632-3903

RE: GARTNER A 5R

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

OrderNo.: 1808221

Dear Steve Moskal:

Hall Environmental Analysis Laboratory received 2 sample(s) on 8/3/2018 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 qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report
Lab Order 1808221
Date Reported: 8/16/2018

1808221-001

Lab ID:

• ,

• 、

CLIENT: Blagg Engineering Client Sample ID: TSP BG-1 (EAST) **Project:** GARTNER A 5R Collection Date: 8/2/2018 9:27:00 AM Received Date: 8/3/2018 7:30:00 AM Matrix: SOIL D 14 POL Qual Units DE Data Analyzad Ratch

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	MRA
Chloride	ND	30	mg/Kg	20	8/14/2018 3:37:33 PM	39747
EPA METHOD 8015D MOD: GASOLINE RANGE					Analyst:	AG
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	8/6/2018 11:30:26 PM	39589
Sur: BFB	115	70-130	%Rec	1	8/6/2018 11:30:26 PM	39589
EPA METHOD 8015M/D: DIESEL RANGE ORGA	NICS				Analyst:	Irm
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	8/8/2018 1:14:07 PM	39630
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	8/8/2018 1:14:07 PM	39630
Surr: DNOP	76.6	50.6-138	%Rec	1	8/8/2018 1:14:07 PM	39630
EPA METHOD 8260B: VOLATILES SHORT LIST					Analyst:	AG
Benzene	ND	0.023	mg/Kg	1	8/6/2018 11:30:26 PM	39589
Toluene	ND	0.047	mg/Kg	1	8/6/2018 11:30:26 PM	39589
Ethylbenzene	ND	0.047	mg/Kg	1	8/6/2018 11:30:26 PM	39589
Xylenes, Total	ND	0.093	mg/Kg	1	8/6/2018 11:30:26 PM	39589
Surr: 4-Bromofluorobenzene	129	70-130	%Rec	1	8/6/2018 11:30:26 PM	39589
Surr: Toluene-d8	97.1	70-130	%Rec	1	8/6/2018 11:30:26 PM	39589

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 1 of 7
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report
Lab Order 1808221
Date Reported: 8/16/2018

CLIENT: Blagg Engineering

GARTNER A 5R

1808221-002

Project:

Lab ID:

. .

Client Sample ID: TSP BG-2 (WEST)Collection Date: 8/2/2018 9:29:00 AMMatrix: SOILReceived Date: 8/3/2018 7:30:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	ND	30	mg/Kg	20	8/14/2018 3:49:58 PM	39747
EPA METHOD 8015D MOD: GASOLINE RANGE					Analyst	AG
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	8/8/2018 4:10:58 AM	39617
Surr: BFB	112	70-130	%Rec	1	8/8/2018 4:10:58 AM	39617
EPA METHOD 8015M/D: DIESEL RANGE ORGA	NICS				Analyst	Irm
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	8/8/2018 1:38:42 PM	39630
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	8/8/2018 1:38:42 PM	39630
Surr: DNOP	65.2	50.6-138	%Rec	1	8/8/2018 1:38:42 PM	39630
EPA METHOD 8260B: VOLATILES SHORT LIST	-				Analyst	AG
Benzene	ND	0.024	mg/Kg	1	8/8/2018 4:10:58 AM	39617
Toluene	ND	0.049	mg/Kg	1	8/8/2018 4:10:58 AM	39617
Ethylbenzene	ND	0.049	mg/Kg	1	8/8/2018 4:10:58 AM	39617
Xylenes, Total	ND	0.097	mg/Kg	1	8/8/2018 4:10:58 AM	39617
Surr: 4-Bromofluorobenzene	126	70-130	%Rec	1	8/8/2018 4:10:58 AM	39617
Surr: Toluene-d8	94.8	70-130	%Rec	1	8/8/2018 4:10:58 AM	39617

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 2 of 7
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

• .

WO#: **1808221**

16-Aug-18

	g Engineering RTNER A 5R			
Sample ID MB-39747	SampType: mblk	TestCode: EPA Method	300.0: Anions	
Client ID: PBS	Batch ID: 39747	RunNo: 53422		
Prep Date: 8/13/2018	Analysis Date: 8/14/2018	SeqNo: 1760975	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	ND 1.5			
Sample ID LCS-39747	SampType: Ics	TestCode: EPA Method	300.0: Anions	
Client ID: LCSS	Batch ID: 39747	RunNo: 53422		
Prep Date: 8/13/2018	Analysis Date: 8/14/2018	SeqNo: 1760976	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	14 1.5 15.00	0 93.4 90	110	

Qualifiers:

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

Page 3 of 7

۰.

WO#:	1808221
	16-Aug-18

Page 4 of 7

00	ngineering ER A 5R											
Sample ID MB-39630 SampType: MBLK					TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch	n ID: 39	630	F	unNo: 5	3282						
Prep Date: 8/7/2018	Analysis D	ate: 8/	8/2018	S	eqNo: 1	753763	Units: mg/k	(g				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Diesel Range Organics (DRO)	ND	10										
Motor Oil Range Organics (MRO)	ND	50										
Surr: DNOP	8.0		10.00		80.2	50.6	138					
Sample ID LCS-39630	SampT	ype: LC	S	Tes	Code: El	PA Method	8015M/D: Die	esel Range	e Organics			
Client ID: LCSS	Batch	ID: 39	630	F	unNo: 5	3282						
Prep Date: 8/7/2018	Analysis D	ate: 8/	8/2018	S	eqNo: 1	753885	Units: mg/K	(g				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Diesel Range Organics (DRO)	44	10	50.00	0	88.5	70	130					
Surr: DNOP	3.9		5.000		78.8	50.6	138					

Qualifiers:

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

Client: Blagg Engineering Project:

• 、

GARTNER A 5R

										and the state of the second state of the		
Sample ID Ics-39589	SampType: LCS4 TestCode: EPA Method 8260B: Volatiles Short List											
Client ID: BatchQC	Batch	ID: 39	589	RunNo: 53243								
Prep Date: 8/3/2018	Analysis Da	ate: 8/	6/2018	S	eqNo: 17	752198	Units: mg/K	g				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	0.93	0.025	1.000	0	92.8	80	120					
Toluene	0.95	0.050	1.000	0	95.5	80	120					
Ethylbenzene	1.0	0.050	1.000	0	101	80	120					
Xylenes, Total	3.0	0.10	3.000	0	100	80	120					
Surr: 4-Bromofluorobenzene	0.56		0.5000		111	70	130					
Surr: Toluene-d8	0.45		0.5000		89.4	70	130					
Sample ID mb-39589	SampType: MBLK TestCode: EPA Method 8260B: Volatiles Short List											
Client ID: PBS	Batch	ID: 39	589	R	unNo: 5	3243						
Prep Date: 8/3/2018	Analysis Da	ate: 8/	6/2018	S	eqNo: 1	752199	Units: mg/K	g				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	ND	0.025										
Toluene	ND	0.050										
Ethylbenzene	ND	0.050										
Kylenes, Total	ND	0.10										
Surr: 4-Bromofluorobenzene	0.63		0.5000		125	70	130					
Surr: Toluene-d8	0.47	0.00	0.5000		94.3	70	130					
Sample ID Ics-39617	SampTy	pe: LC	S4	Test	Code: EF	PA Method	8260B: Volat	tiles Short	List			
Client ID: BatchQC	Batch	ID: 39	617	RunNo: 53276								
Prep Date: 8/6/2018			7/2018	S	SeqNo: 1753620 Units: mg/Kg							
	Analysis Da	ate: 8/										
Analyte	Analysis Da Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Analyte	Result 0.89	PQL 0.025	SPK value 1.000	0	88.7	80	120	%RPD	RPDLimit	Qual		
Analyte Benzene	Result	PQL	SPK value	and the second second second second second			and the second se	%RPD	RPDLimit	Qual		
Analyte Benzene Toluene	Result 0.89	PQL 0.025	SPK value 1.000	0	88.7	80	120	%RPD	RPDLimit	Qual		
Analyte Benzene Toluene Ethylbenzene Xylenes, Total	Result 0.89 0.98	PQL 0.025 0.050	SPK value 1.000 1.000	0 0	88.7 97.8	80 80	120 120	%RPD	RPDLimit	Qual		
Analyte Benzene Toluene Ethylbenzene	Result 0.89 0.98 1.0	PQL 0.025 0.050 0.050	SPK value 1.000 1.000 1.000	0 0 0	88.7 97.8 101	80 80 80 80 70	120 120 120	%RPD	RPDLimit	Qual		
Analyte Benzene Toluene Ethylbenzene Xylenes, Total	Result 0.89 0.98 1.0 2.9	PQL 0.025 0.050 0.050	SPK value 1.000 1.000 1.000 3.000	0 0 0	88.7 97.8 101 98.2	80 80 80 80	120 120 120 120	%RPD	RPDLimit	Qual		
Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene	Result 0.89 0.98 1.0 2.9 0.55	PQL 0.025 0.050 0.050 0.10	SPK value 1.000 1.000 3.000 0.5000 0.5000	0 0 0	88.7 97.8 101 98.2 110 93.4	80 80 80 80 70 70	120 120 120 120 120 130			Qual		
Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Surr: Toluene-d8	Result 0.89 0.98 1.0 2.9 0.55 0.47 SampTy	PQL 0.025 0.050 0.050 0.10	SPK value 1.000 1.000 3.000 0.5000 0.5000 BLK	0 0 0 0 Test	88.7 97.8 101 98.2 110 93.4	80 80 80 70 70 PA Method	120 120 120 120 120 130 130			Qual		
Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Surr: Toluene-d8 Sample ID mb-39617	Result 0.89 0.98 1.0 2.9 0.55 0.47 SampTy	PQL 0.025 0.050 0.050 0.10	SPK value 1.000 1.000 3.000 0.5000 0.5000 BLK 517	0 0 0 Test	88.7 97.8 101 98.2 110 93.4	80 80 80 70 70 PA Method 3276	120 120 120 120 120 130 130	iles Short		Qual		
Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Surr: Toluene-d8 Sample ID mb-39617 Client ID: PBS Prep Date: 8/6/2018 Analyte	Result 0.89 0.98 1.0 2.9 0.55 0.47 SampTy Batch Analysis Da Result	PQL 0.025 0.050 0.050 0.10 //pe: ME ID: 39 ate: 8/ PQL	SPK value 1.000 1.000 3.000 0.5000 0.5000 3.LK 517 7/2018	0 0 0 Test	88.7 97.8 101 98.2 110 93.4 Code: EF	80 80 80 70 70 PA Method 3276	120 120 120 120 130 130 8260B: Volat	iles Short		Qual		
Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Surr: Toluene-d8 Sample ID mb-39617 Client ID: PBS Prep Date: 8/6/2018 Analyte Benzene	Result 0.89 0.98 1.0 2.9 0.55 0.47 SampTy Batch Analysis Da Result ND	PQL 0.025 0.050 0.10 ppe: ME ID: 39 ate: 8/ PQL 0.025	SPK value 1.000 1.000 3.000 0.5000 0.5000 3.LK 517 7/2018	0 0 0 Test R S	88.7 97.8 101 98.2 110 93.4 Code: EF	80 80 80 70 70 PA Method 3276 753621	120 120 120 120 130 130 8260B: Volat	iles Short	List			
Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Surr: Toluene-d8 Sample ID mb-39617 Client ID: PBS Prep Date: 8/6/2018 Analyte Benzene Toluene	Result 0.89 0.98 1.0 2.9 0.55 0.47 SampTy Batch Analysis Da Result ND ND	PQL 0.025 0.050 0.10 ppe: ME ID: 39 ate: 8/ PQL 0.025 0.050	SPK value 1.000 1.000 3.000 0.5000 0.5000 3.LK 517 7/2018	0 0 0 Test R S	88.7 97.8 101 98.2 110 93.4 Code: EF	80 80 80 70 70 PA Method 3276 753621	120 120 120 120 130 130 8260B: Volat	iles Short	List			
Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Surr: Toluene-d8 Sample ID mb-39617 Client ID: PBS Prep Date: 8/6/2018	Result 0.89 0.98 1.0 2.9 0.55 0.47 SampTy Batch Analysis Da Result ND	PQL 0.025 0.050 0.10 ppe: ME ID: 39 ate: 8/ PQL 0.025	SPK value 1.000 1.000 3.000 0.5000 0.5000 3.LK 517 7/2018	0 0 0 Test R S	88.7 97.8 101 98.2 110 93.4 Code: EF	80 80 80 70 70 PA Method 3276 753621	120 120 120 120 130 130 8260B: Volat	iles Short	List			

Qualifiers:

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

Page 5 of 7

WO#: 1808221 16-Aug-18

Client: Blagg Engineering **Project:** GARTNER A 5R

• .

Sample ID mb-39617	SampType:	MBLK	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: PBS	Batch ID:	39617	R								
Prep Date: 8/6/2018	Analysis Date:	S	eqNo: 1	753621	Units: mg/K						
Analyte	Result PC	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Surr: 4-Bromofluorobenzene	0.64	0.5000		129	70	130					
Surr: Toluene-d8	0.48	0.5000		95.4	70	130					

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix D
- Η Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified W

Page 6 of 7

• 、

WO#: 1808221

Page 7 of 7

16-Aug-18

Client: Project:	00	ngineering ER A 5R											
Sample ID	lcs-39589	SampType: LCS TestCode: EPA Method 8							Gasoline	Range			
Client ID:	LCSS	Batch	ID: 39	589	F	RunNo: 5	3243						
Prep Date:	8/3/2018	Analysis Da	ate: 8/	6/2018	5	SeqNo: 1	752062	Units: mg/M					
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Gasoline Range	e Organics (GRO)	27	5.0	25.00	0	110	70	130					
Surr: BFB		530		500.0		106	70	130					
Sample ID	D mb-39589 SampType: MBLK TestCode: EPA Method 8015D Mod: Gasoline Range												
Client ID:	PBS	Batch	ID: 39	589	F	RunNo: 5	3243			Ū			
Prep Date:	8/3/2018	Analysis Da	ate: 8/	6/2018	5	SeqNo: 1	752063	Units: mg/Kg					
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Gasoline Range	e Organics (GRO)	ND	5.0										
Surr: BFB	anni ya Matur ya Matu	560		500.0		112	70	130					
Sample ID	lcs-39617	SampTy	/pe: LC	s	Tes	tCode: E	PA Method	8015D Mod:	Gasoline	Range			
Client ID:	LCSS	Batch	ID: 39	617	F	RunNo: 5	3276						
Prep Date:	8/6/2018	Analysis Da	ate: 8/	7/2018	S	SeqNo: 1	753428	Units: mg/k	g				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Gasoline Range	e Organics (GRO)	26	5.0	25.00	0	103	70	130					
Surr: BFB		530		500.0		106	70	130					
Sample ID	mb-39617	SampTy	/pe: ME	BLK	Tes	tCode: El	PA Method	8015D Mod:	Gasoline	Range			
Client ID:	PBS	Batch	ID: 39	617	F	RunNo: 5	3276						
Prep Date:	8/6/2018	Analysis Da	ate: 8/	7/2018	S	SeqNo: 1	753429	Units: mg/K	g				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Gasoline Range Surr: BFB	e Organics (GRO)	ND 570	5.0	500.0		114	70	130					
SUIL BEB		570		500.0		114	70	130					

Qualifiers:

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

HALL ENVIRONMENTA ANALYSIS LABORATORY	AL TEL: 505-345-3	ntal Analysis Labora 4901 Hawkins Albuquerque, NM 87 975 FAX: 505-345-4 v.hallenvironmental.	s NE 7109 Sam 4107	nple Log-In Check List
Client Name: BLAGG	Work Order Num	ber: 1808221		RcptNo: 1
Received By: Anne Tho	me 8/3/2018 7:30:00 A	M	Anne A.	~
Completed By: Anne Tho		M	anne Am	~
Reviewed By:	8/3/14			
Lobded by Aro	8/03/18			
Chain of Custody		Yes 🗸	No	Not Present
1. Is Chain of Custody comp				
How was the sample delive	ered?	Courier		
Log In 3. Was an attempt made to c	ool the samples?	Yes 🔽	No 🗌	
4. Were all samples received	at a temperature of >0° C to 6.0°C	Yes 🗹	No	NA
5. Sample(s) in proper contai	ner(s)?	Yes 🖌	No 🗌	
6. Sufficient sample volume for	or indicated test(s)?	Yes 🖌	No 🗌	
7. Are samples (except VOA	and ONG) properly preserved?	Yes 🖌	No	
8. Was preservative added to	bottles?	Yes	No 🗹	NA
9. VOA vials have zero heads	pace?	Yes	No 🗌	No VOA Vials 🗹
10. Were any sample containe	rs received broken?	Yes	No 🗹	d of processed
11. Does paperwork match bot (Note discrepancies on cha		Yes 🖌	No 🗌	# of preserved bottles checked for pH: (<2 or >12 unless noted)
12. Are matrices correctly ident		Yes 🗹	No 🗌	Adjusted?
13. Is it clear what analyses we		Yes 🖌	No 🗌	
14. Were all holding times able (If no, notify customer for a	to be met?	Yes 🖌	No	Checked by:
Special Handling (if app	licable)			
15. Was client notified of all dis		Yes	No	NA 🗹
Person Notified:	Date	Posterio and a second	an a	
By Whom:	Via:	,	hone 🗌 Fax	In Person
Regarding:	- TANGAN MENDANGKAN ANG ANG ANG ANG ANG ANG ANG ANG ANG A		#8103#61010#1#0H0 425101-070128501282	currenter a sur restrict an environment en environmente
Client Instructions:				
16. Additional remarks:				
17. <u>Cooler Information</u> Cooler No Temp °C 1 1.4	Condition Seal Intact Seal No Good Yes Intact Seal No	Seal Date	Signed By	

۰.

. .

Chain-of-Custody Record Client: BP AMERICA BLAGE ENGWEENY Mailing Address:			Turn-Around Time:												~							
Client:	BP AI	MERICA		X Standard					HALL ENVIRONMENTAL													
-	Ri Ala	FUGIN	20146	Project Name:																		
Mailing	Address	:	d d	GARTNER A SR					www.hallenvironmental.com													
				Project #:				4901 Hawkins NE - Albuquerque, NM 87109														
- Cor 220-1102							Tel. 505-345-3975 Fax 505-345-4107 Analysis Request															
Phone #: 505-320-1193							-		1412		A	naly	and the state	Req	uest							
email or Fax#:				Project Mana	-	NA	1)	only	IRO					504	ŝ							
QA/QC Package: ★Standard □ Level 4 (Full Validation)			EB	EA. STEVE	MOSKAC	(802	TPH (Gas only)	DRO / MRO)			SIMS)		04,0	CB								
Accred			□ Level 4 (Full Validation)		E. Pin		Bis	<u>)</u>	NNO NNO			SIN SIN		02,P	82 F							
		Othe	er	Sampler: Ja On Ice:			H	TPI	-	8.1)	4.1)	8270		NCON.	80						Î	
	(Type)					4-cF-1.0=1.4		+ Ш	GR	41	20	or 8	als	0N	les		VOA	N			Y or	
Date	Time	Matrix	Sample Request ID			HEAL NO.	BTEX + MTBE + TWB's (8021)	BTEX + MTBE +	TPH 8015B (GRO	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or	RCRA 8 Metals	Anions (F,CI,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	CHLOUDE	,		Air Bubbles (Y or	
8/18	0927	SOIL	TSP BG-1(EAST)	40721	Cerc	-201	X		X			_						X				
	0929		TSP BG-Z (WEST)	11	И	202	X		X									×				
									_		-		_							+	+	
											_									_		
																	1			+	+	
																				1		
																				+		
																				+		
Date:	Time: 173> Time:	Relinquish	H Blyg	Received by: Date Time Mustoblach 8/2/18 1736 Received by: Date Time 08/02/19				Remarks: BILL BP CONTACT: STEVE MOSKAK VID: VHIXONEVRM WBS: L1-OOICT-E: GARTNERASR														
8/2/18	1810	1JUA	mitted to Hall Environmental may be subc	E C	hn -	0730	s possi	bility					- 10									
1	, neocoodry,		there is the control for the bulk				- 0000					Galia		0.000	.,					N		