

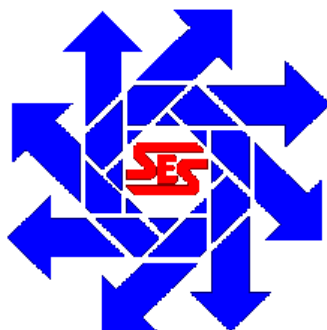
Select Energy Services, LLC Select Energy BigCat Line Spill

Closure Report

**Section 18, Township 23S, Range 32E
Lea County, New Mexico**

1RP-5754

January 10, 2020



Prepared for:

**Select Energy Services
1502 E. Greene St
Carlsbad, NM 88220**

By:

**Safety & Environmental Solutions, Inc.
703 East Clinton
Hobbs, New Mexico 88240
(575) 397-0510**

TABLE OF CONTENTS

I. Company Contacts1

II. Background1

III. Surface and Groundwater1

IV. Characterization1

V. Work Performed2

VI. Conclusions4

VII. Figures & Appendices5

 Figure 1, Site Map6

 Appendix A, C-1418

 Appendix B, Analytical Data10

Big Cat Fed Com #001H
January 8, 2020

Select Energy Services, LLC
Lea County, New Mexico

I. Company Contacts

Representative	Company	Telephone	E-mail
Halie Butler	Select Energy Serv.	(281) 467-3153	hbutler@selectenergyservices.com
Bob Allen	SESI	(575) 397-0510	ballen@sesi-nm.com

II. Background

Safety and Environmental Solutions, Inc., hereinafter referred to as (SESI) was engaged by Select Energy Services to assess a spill area at the Big Cat Fed Com #001H location. This site is situated in Section 18, Township 23S, and Range 32E of Lea county New Mexico.

According to the C-141: the cause of release was due to a line blow out caused by and operator priming with a valve opened and discharged. The resulting spill was 198 bbls of produced water.

II. Surface and Ground Water

According to research of the website for the New Mexico Office of the State Engineer records; there is no record of groundwater in the immediate vicinity of the site location. Additionally, based on the groundwater data from the USGS National Water Information Web Interface, the depth to groundwater is 400+ feet at the well closest to this location.

IV. Characterization

Remediation was deemed unnecessary based on the results of the lab analysis performed on twelve test trenches. The results of the test trenches revealed that all sample results were below the requirements for TPH and BTEX levels. Also, although there were isolated Chloride results above the established 600 ppm threshold, vertical extent was reached in all twelve test trenches and all thirteen sidewall samples.

Big Cat Fed Com #001H
January 8, 2020

Select Energy Services, LLC
Lea County, New Mexico

Table 1 Closure Criteria for Soils Impacted by a Release			
Minimum depth below any point within the horizontal boundary of the release to ground water less than 10,000 mg/l	Constituent	Method*	Limit**
TDS			
<50 feet	Chloride***	EPA 300.0 or SM4500 Cl B	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015B	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg
51 feet-100 feet	Chloride***	EPA 300.0 or SM4500 Cl B	10,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015B	2,500 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg
>100 feet	Chloride***	EPA 300.0 or SM4500 Cl B	20,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015B	2,500 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

V. Work Performed

On October 22nd and 23rd of 2019, SESI personnel, together with personnel from Select Energy Services and personnel and equipment from Custom Welding of Hobbs, NM were on site to advance soil testing trenches. Twelve test trenches locations were designated and flagged in order to delineate the spill area vertically, and horizontally. Soil samples were obtained and properly packaged, preserved, and transported to Hall Laboratories for analyses of Chloride (CL Method 300.0 Anions), Total Petroleum Hydrocarbons (TPH Method 8015), and Benzene, Toluene, Ethylbenzene, and Xylene (BTEX Method 8021B). The table below is a recap of the results from the hall Laboratory Analyses (Appendix C)

Big Cat Fed Com #001H
January 8, 2020

Select Energy Services, LLC
Lea County, New Mexico

Custom Welding Select Energy-Big Cat Spill Soil Sample Results: Cardinal Laboratories 11-7-2019								
SAMPLE ID	Benzene	Toluene	Ethyl- benzene	Total Xylenes	Chlorides	TPH GRO	TPH DRO	EXT DRO
TT-1 Surface	ND	ND	ND	ND	ND	ND	ND	ND
TT-1 @ 1ft	ND	ND	ND	ND	ND	ND	ND	ND
TT-1 @ 2ft					250			
TT-1 @ 4ft					1000			
TT-1 @ 5ft					120			
TT-2 Surface	ND	ND	ND	ND	ND	ND	ND	ND
TT-2 @ 1ft	ND	ND	ND	ND	140	ND	ND	ND
TT-2 @ 2ft					170			
TT-2 @ 3ft					260			
TT-2 @ 4ft					ND			
TT-3 Surface	ND	ND	ND	ND	360	ND	ND	ND
TT-3 @ 1ft	ND	ND	ND	ND	100	ND	ND	ND
TT-3 @ 2ft					260			
TT-3 @ 3ft					250			
TT-3 @ 4ft					89			
TT-4 Surface	ND	ND	ND	ND	ND	ND	ND	ND
TT-4 @ 1ft	ND	ND	ND	ND	ND	ND	ND	ND
TT-4 @ 2ft					730			
TT-4 @ 3ft					280			
TT-5 Surface	ND	ND	ND	ND	ND	ND	ND	ND
TT-5 @ 1ft	ND	ND	ND	ND	170	ND	ND	ND
TT-5 @ 2ft					670			
TT-5 @ 3ft					270			
TT-5 @ 4ft					ND			
TT-6 Surface	ND	ND	ND	ND	65	ND	ND	ND
TT-6 @ 1ft	ND	ND	ND	ND	160	ND	ND	ND
TT-6 @ 2ft					310			
TT-6 @ 3ft					170			
TT-6 @ 4ft					85			
TT-7 Surface	ND	ND	ND	ND	ND	ND	ND	ND
TT-7 @ 1ft	ND	ND	ND	ND	360	ND	ND	ND
TT-7 @ 2ft					250			
TT-7 @ 3ft					240			
TT-7 @ 4ft					110			
TT-8 Surface	ND	ND	ND	ND	ND	ND	ND	ND
TT-8 @ 1ft	ND	ND	ND	ND	260	ND	ND	ND
TT-8 @ 2ft					660			
TT-8 @ 3ft					170			
TT-8 @ 4ft					ND			
TT-9 Surface	ND	ND	ND	ND	ND	ND	ND	ND
TT-9 @ 1ft	ND	ND	ND	ND	240	ND	ND	ND
TT-9 @ 2ft					150			
TT-9 @ 3ft					170			
TT-9 @ 4ft					88			
TT-10 Surface	ND	ND	ND	ND	ND	ND	ND	ND
TT-10 @ 1ft	ND	ND	ND	ND	120	ND	ND	ND

Big Cat Fed Com #001H
January 8, 2020

Select Energy Services, LLC
Lea County, New Mexico

TT-10 @ 2ft					130			
TT-10 @ 3ft					160			
TT-10 @ 4ft					130			
TT-11 @ 4ft	ND	ND	ND	ND	ND	ND	21	ND
TT-12 Surface	ND	ND	ND	ND	ND	ND	ND	ND
TT-12 @ 1ft	ND	ND	ND	ND	720	ND	ND	ND
TT-12 @ 2ft					300			
TT-12 @ 3ft					190			
TT-12 @ 4ft					120			
SP-1 East Wall	ND	ND	ND	ND	ND	ND	ND	ND
SP-2 West Wall	ND	ND	ND	ND	ND	ND	ND	ND
SP-3 East Wall	ND	ND	ND	ND	ND	ND	ND	ND
SP-4 West Wall	ND	ND	ND	ND	ND	ND	ND	ND
SP-5 East Wall	ND	ND	ND	ND	ND	ND	ND	ND
SP-6 West Wall	ND	ND	ND	ND	ND	ND	ND	ND
SP-7 East Wall	ND	ND	ND	ND	ND	ND	ND	ND
SP-8 West Wall	ND	ND	ND	ND	ND	ND	ND	ND
SP-9 East Wall	ND	ND	ND	ND	ND	ND	ND	ND
SP-10 West Wall	ND	ND	ND	ND	ND	ND	ND	ND
SP-11 North Wall	ND	ND	ND	ND	ND	ND	ND	ND
SP-12 East Wall	ND	ND	ND	ND	ND	ND	ND	ND
SP-13 West Wall	ND	ND	ND	ND	ND	ND	ND	ND

Based on these results, it was determined that since vertical extent was achieved in all test trenches, remediation was likely to be more detrimental than beneficial.

I. Conclusions

Although the isolated samples at TT-1 at 4', TT-4 @ 2', TT-5 @ 2', and TT-8 @ 2' were above the closure criteria of 600ppm for chlorides, vertical extent was attained at 5 feet for TT-1 and 3 feet for TT-4, TT-5, and TT-8. Therefore, remediation was deemed disadvantageous.

SESI, on behalf of Select Energy Services respectfully submits this closure report for your consideration.

VII. Figures & Appendices

Figure 1 – Site Map
Appendix A – Site Photographs
Appendix B – C-141
Appendix C – Analytical

Big Cat Fed Com #001H
January 8, 2020

Select Energy Services, LLC
Lea County, New Mexico



Figure 1

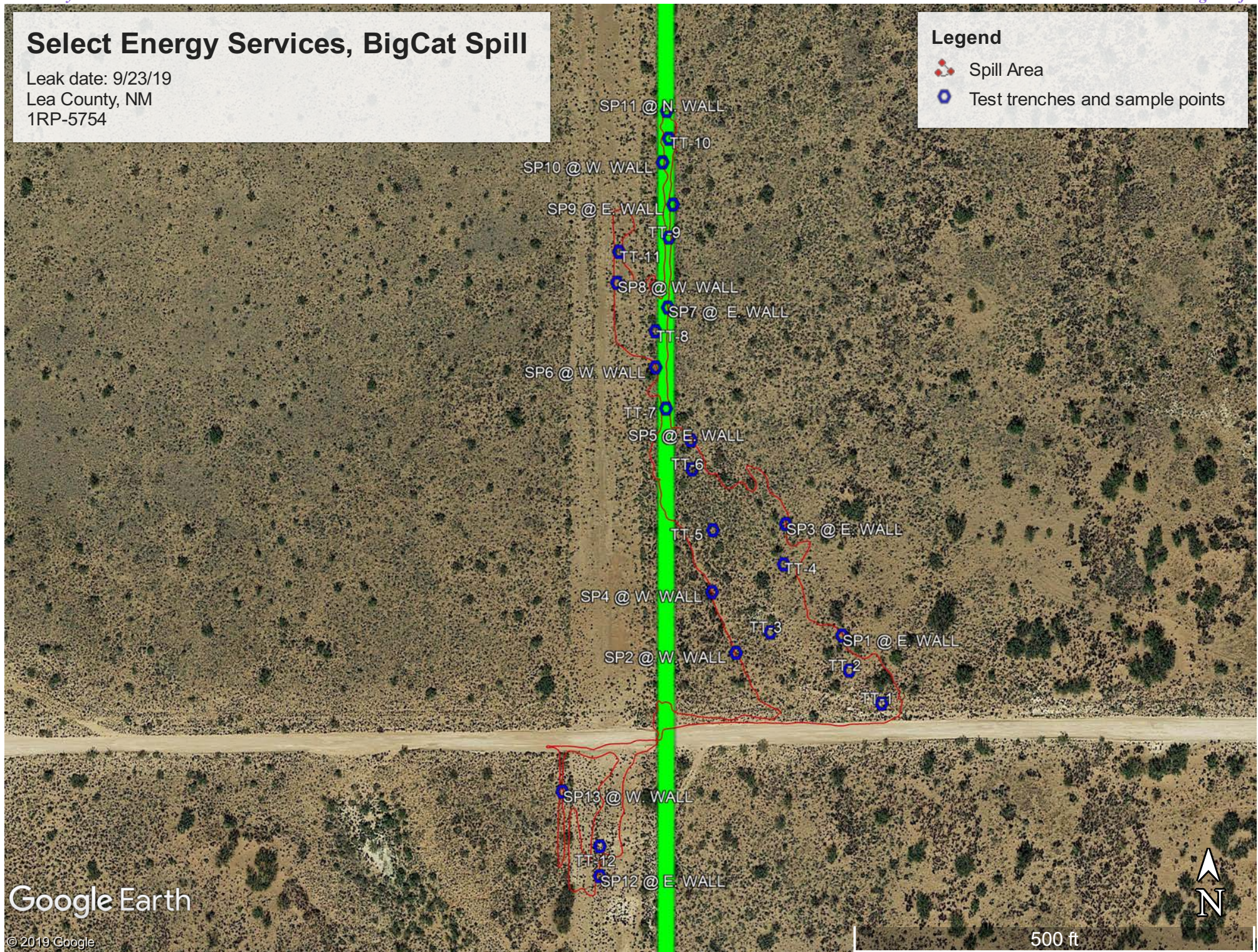
Site Map

Select Energy Services, BigCat Spill

Leak date: 9/23/19
Lea County, NM
1RP-5754

Legend

-  Spill Area
-  Test trenches and sample points



Big Cat Fed Com #001H
January 8, 2020

Select Energy Services, LLC
Lea County, New Mexico

Appendix A

C-141

Form C-141

State of New Mexico
Oil Conservation Division

Page 6

Incident ID	nRM1929060324
District RP	
Facility ID	
Application ID	


Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☐ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: _____ Title: _____
Signature:  Date: _____
email: _____ Telephone: _____

OCD Only

Received by: Cristina Eads Date: 02/27/2020

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Denied Date: 03/02/2020

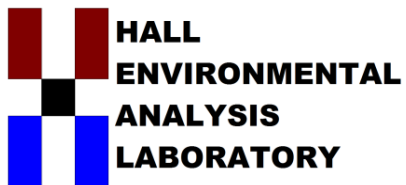
Printed Name: Cristina Eads Title: Environmental Scientist

Big Cat Fed Com #001H
January 8, 2020

Select Energy Services, LLC
Lea County, New Mexico

Appendix B

Analytical Data



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

October 31, 2019

Bob Allen

Safety & Environmental Solutions

PO Box 1613

Hobbs, NM 88241

TEL: (575) 397-0510

FAX (575) 393-4388

RE: Custom Select Big Cat

OrderNo.: 1910D20

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 69 sample(s) on 10/24/2019 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", with a stylized flourish at the end.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-1 Surface

Project: Custom Select Big Cat

Collection Date: 10/22/2019 8:10:00 AM

Lab ID: 1910D20-001

Matrix: SOIL

Received Date: 10/24/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	10/28/2019 2:44:12 PM	48411
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	10/28/2019 10:55:12 AM	48382
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/28/2019 10:55:12 AM	48382
Surr: DNOP	92.2	70-130		%Rec	1	10/28/2019 10:55:12 AM	48382
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/26/2019 6:47:49 PM	48366
Surr: BFB	91.4	77.4-118		%Rec	1	10/26/2019 6:47:49 PM	48366
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	10/25/2019 10:52:55 PM	48366
Toluene	ND	0.050		mg/Kg	1	10/25/2019 10:52:55 PM	48366
Ethylbenzene	ND	0.050		mg/Kg	1	10/25/2019 10:52:55 PM	48366
Xylenes, Total	ND	0.099		mg/Kg	1	10/25/2019 10:52:55 PM	48366
Surr: 4-Bromofluorobenzene	91.7	80-120		%Rec	1	10/25/2019 10:52:55 PM	48366

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

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

Analytical Report

Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-1 1 FT

Project: Custom Select Big Cat

Collection Date: 10/22/2019 8:30:00 AM

Lab ID: 1910D20-002

Matrix: SOIL

Received Date: 10/24/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	59		mg/Kg	20	10/28/2019 2:56:37 PM	48411
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	10/28/2019 12:01:28 PM	48382
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	10/28/2019 12:01:28 PM	48382
Surr: DNOP	84.4	70-130		%Rec	1	10/28/2019 12:01:28 PM	48382
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/26/2019 7:10:48 PM	48366
Surr: BFB	92.1	77.4-118		%Rec	1	10/26/2019 7:10:48 PM	48366
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	10/25/2019 11:15:53 PM	48366
Toluene	ND	0.047		mg/Kg	1	10/25/2019 11:15:53 PM	48366
Ethylbenzene	ND	0.047		mg/Kg	1	10/25/2019 11:15:53 PM	48366
Xylenes, Total	ND	0.093		mg/Kg	1	10/25/2019 11:15:53 PM	48366
Surr: 4-Bromofluorobenzene	94.4	80-120		%Rec	1	10/25/2019 11:15:53 PM	48366

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

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

Analytical ReportLab Order **1910D20**Date Reported: **10/31/2019****Hall Environmental Analysis Laboratory, Inc.****CLIENT:** Safety & Environmental Solutions**Client Sample ID:** TT-1 2 FT**Project:** Custom Select Big Cat**Collection Date:** 10/22/2019 8:45:00 AM**Lab ID:** 1910D20-003**Matrix:** SOIL**Received Date:** 10/24/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	250	60		mg/Kg	20	10/28/2019 3:09:02 PM	48411

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

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

Hall Environmental Analysis Laboratory, Inc.					Analytical Report			
					Lab Order 1910D20			
					Date Reported: 10/31/2019			
CLIENT: Safety & Environmental Solutions					Client Sample ID: TT-1 4 FT			
Project: Custom Select Big Cat					Collection Date: 10/22/2019 9:20:00 AM			
Lab ID: 1910D20-005					Received Date: 10/24/2019 9:15:00 AM			
Matrix: SOIL								
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS							Analyst: MRA	
Chloride	1000	60		mg/Kg	20	10/28/2019 3:21:26 PM	48411	

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.			
Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL Reporting Limit
	S	% Recovery outside of range due to dilution or matrix	

Analytical Report

Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions		Client Sample ID: TT-1 5FT	
Project: Custom Select Big Cat		Collection Date: 10/22/2019 9:45:00 AM	
Lab ID: 1910D20-006	Matrix: SOIL	Received Date: 10/24/2019 9:15:00 AM	

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	120	60		mg/Kg	20	10/28/2019 3:33:51 PM	48411

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

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

Analytical Report

Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-2 Surface

Project: Custom Select Big Cat

Collection Date: 10/22/2019 10:00:00 AM

Lab ID: 1910D20-007

Matrix: SOIL

Received Date: 10/24/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	10/28/2019 4:11:04 PM	48411
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	10/28/2019 12:23:29 PM	48382
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	10/28/2019 12:23:29 PM	48382
Surr: DNOP	79.6	70-130		%Rec	1	10/28/2019 12:23:29 PM	48382
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/25/2019 10:29:53 PM	48375
Surr: BFB	83.5	77.4-118		%Rec	1	10/25/2019 10:29:53 PM	48375
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	10/25/2019 10:29:53 PM	48375
Toluene	ND	0.047		mg/Kg	1	10/25/2019 10:29:53 PM	48375
Ethylbenzene	ND	0.047		mg/Kg	1	10/25/2019 10:29:53 PM	48375
Xylenes, Total	ND	0.094		mg/Kg	1	10/25/2019 10:29:53 PM	48375
Surr: 4-Bromofluorobenzene	88.3	80-120		%Rec	1	10/25/2019 10:29:53 PM	48375

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

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

Analytical Report

Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-2 1FT

Project: Custom Select Big Cat

Collection Date: 10/22/2019 10:05:00 AM

Lab ID: 1910D20-008

Matrix: SOIL

Received Date: 10/24/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	140	60		mg/Kg	20	10/28/2019 4:23:29 PM	48411
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	10/28/2019 12:45:31 PM	48382
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/28/2019 12:45:31 PM	48382
Surr: DNOP	77.0	70-130		%Rec	1	10/28/2019 12:45:31 PM	48382
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/25/2019 11:40:42 PM	48375
Surr: BFB	87.6	77.4-118		%Rec	1	10/25/2019 11:40:42 PM	48375
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	10/25/2019 11:40:42 PM	48375
Toluene	ND	0.046		mg/Kg	1	10/25/2019 11:40:42 PM	48375
Ethylbenzene	ND	0.046		mg/Kg	1	10/25/2019 11:40:42 PM	48375
Xylenes, Total	ND	0.093		mg/Kg	1	10/25/2019 11:40:42 PM	48375
Surr: 4-Bromofluorobenzene	91.7	80-120		%Rec	1	10/25/2019 11:40:42 PM	48375

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

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

Analytical ReportLab Order **1910D20**Date Reported: **10/31/2019****Hall Environmental Analysis Laboratory, Inc.****CLIENT:** Safety & Environmental Solutions**Client Sample ID:** TT-2 2FT**Project:** Custom Select Big Cat**Collection Date:** 10/22/2019 10:15:00 AM**Lab ID:** 1910D20-009**Matrix:** SOIL**Received Date:** 10/24/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	170	60		mg/Kg	20	10/28/2019 4:35:54 PM	48411

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

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

Analytical ReportLab Order **1910D20**Date Reported: **10/31/2019****Hall Environmental Analysis Laboratory, Inc.****CLIENT:** Safety & Environmental Solutions**Client Sample ID:** TT-2 3FT**Project:** Custom Select Big Cat**Collection Date:** 10/22/2019 10:30:00 AM**Lab ID:** 1910D20-010**Matrix:** SOIL**Received Date:** 10/24/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	260	60		mg/Kg	20	10/28/2019 5:13:08 PM	48411

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

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

Analytical Report

Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions	Client Sample ID: TT-2 4FT
Project: Custom Select Big Cat	Collection Date: 10/22/2019 10:50:00 AM
Lab ID: 1910D20-011	Received Date: 10/24/2019 9:15:00 AM
Matrix: SOIL	

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	10/28/2019 9:50:32 PM	48429

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

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

Analytical Report

Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-3 Surface

Project: Custom Select Big Cat

Collection Date: 10/22/2019 11:10:00 AM

Lab ID: 1910D20-012

Matrix: SOIL

Received Date: 10/24/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	360	61		mg/Kg	20	10/28/2019 10:52:13 PM	48429
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	10/28/2019 1:07:30 PM	48382
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/28/2019 1:07:30 PM	48382
Surr: DNOP	82.0	70-130		%Rec	1	10/28/2019 1:07:30 PM	48382
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/26/2019 12:51:26 AM	48375
Surr: BFB	84.5	77.4-118		%Rec	1	10/26/2019 12:51:26 AM	48375
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	10/26/2019 12:51:26 AM	48375
Toluene	ND	0.048		mg/Kg	1	10/26/2019 12:51:26 AM	48375
Ethylbenzene	ND	0.048		mg/Kg	1	10/26/2019 12:51:26 AM	48375
Xylenes, Total	ND	0.096		mg/Kg	1	10/26/2019 12:51:26 AM	48375
Surr: 4-Bromofluorobenzene	88.5	80-120		%Rec	1	10/26/2019 12:51:26 AM	48375

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

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

Analytical Report

Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-3 1FT

Project: Custom Select Big Cat

Collection Date: 10/22/2019 11:15:00 AM

Lab ID: 1910D20-013

Matrix: SOIL

Received Date: 10/24/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	100	60		mg/Kg	20	10/28/2019 11:29:13 PM	48429
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	10/28/2019 1:29:35 PM	48382
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	10/28/2019 1:29:35 PM	48382
Surr: DNOP	74.5	70-130		%Rec	1	10/28/2019 1:29:35 PM	48382
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/26/2019 1:14:54 AM	48375
Surr: BFB	88.4	77.4-118		%Rec	1	10/26/2019 1:14:54 AM	48375
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	10/26/2019 1:14:54 AM	48375
Toluene	ND	0.048		mg/Kg	1	10/26/2019 1:14:54 AM	48375
Ethylbenzene	ND	0.048		mg/Kg	1	10/26/2019 1:14:54 AM	48375
Xylenes, Total	ND	0.096		mg/Kg	1	10/26/2019 1:14:54 AM	48375
Surr: 4-Bromofluorobenzene	93.5	80-120		%Rec	1	10/26/2019 1:14:54 AM	48375

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

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

Analytical ReportLab Order **1910D20**Date Reported: **10/31/2019****Hall Environmental Analysis Laboratory, Inc.****CLIENT:** Safety & Environmental Solutions**Client Sample ID:** TT-3 2FT**Project:** Custom Select Big Cat**Collection Date:** 10/22/2019 11:30:00 AM**Lab ID:** 1910D20-014**Matrix:** SOIL**Received Date:** 10/24/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	260	60		mg/Kg	20	10/28/2019 11:41:34 PM	48429

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

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

Analytical Report

Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions		Client Sample ID: TT-3 3FT	
Project: Custom Select Big Cat		Collection Date: 10/22/2019 11:40:00 AM	
Lab ID: 1910D20-015	Matrix: SOIL	Received Date: 10/24/2019 9:15:00 AM	

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	250	60		mg/Kg	20	10/28/2019 11:53:55 PM	48429

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

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

Analytical Report

Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions	Client Sample ID: TT-3 4FT
Project: Custom Select Big Cat	Collection Date: 10/22/2019 11:55:00 AM
Lab ID: 1910D20-016	Received Date: 10/24/2019 9:15:00 AM
Matrix: SOIL	

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	89	60		mg/Kg	20	10/29/2019 12:06:15 AM	48429

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

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

Analytical Report

Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-4 Surface

Project: Custom Select Big Cat

Collection Date: 10/22/2019 12:10:00 PM

Lab ID: 1910D20-017

Matrix: SOIL

Received Date: 10/24/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	61		mg/Kg	20	10/29/2019 12:18:35 AM	48429
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	8.7		mg/Kg	1	10/28/2019 1:51:28 PM	48382
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	10/28/2019 1:51:28 PM	48382
Surr: DNOP	79.9	70-130		%Rec	1	10/28/2019 1:51:28 PM	48382
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/26/2019 1:38:24 AM	48375
Surr: BFB	84.1	77.4-118		%Rec	1	10/26/2019 1:38:24 AM	48375
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	10/26/2019 1:38:24 AM	48375
Toluene	ND	0.047		mg/Kg	1	10/26/2019 1:38:24 AM	48375
Ethylbenzene	ND	0.047		mg/Kg	1	10/26/2019 1:38:24 AM	48375
Xylenes, Total	ND	0.094		mg/Kg	1	10/26/2019 1:38:24 AM	48375
Surr: 4-Bromofluorobenzene	88.0	80-120		%Rec	1	10/26/2019 1:38:24 AM	48375

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

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

Analytical Report

Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-4 1FT

Project: Custom Select Big Cat

Collection Date: 10/22/2019 12:15:00 PM

Lab ID: 1910D20-018

Matrix: SOIL

Received Date: 10/24/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	10/29/2019 12:55:36 AM	48429
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/28/2019 2:13:30 PM	48382
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/28/2019 2:13:30 PM	48382
Surr: DNOP	76.7	70-130		%Rec	1	10/28/2019 2:13:30 PM	48382
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/26/2019 2:01:54 AM	48375
Surr: BFB	83.0	77.4-118		%Rec	1	10/26/2019 2:01:54 AM	48375
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	10/26/2019 2:01:54 AM	48375
Toluene	ND	0.048		mg/Kg	1	10/26/2019 2:01:54 AM	48375
Ethylbenzene	ND	0.048		mg/Kg	1	10/26/2019 2:01:54 AM	48375
Xylenes, Total	ND	0.095		mg/Kg	1	10/26/2019 2:01:54 AM	48375
Surr: 4-Bromofluorobenzene	85.9	80-120		%Rec	1	10/26/2019 2:01:54 AM	48375

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

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

Analytical Report

Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions	Client Sample ID: TT-4 2FT
Project: Custom Select Big Cat	Collection Date: 10/22/2019 12:20:00 PM
Lab ID: 1910D20-019	Received Date: 10/24/2019 9:15:00 AM
Matrix: SOIL	

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	730	60		mg/Kg	20	10/29/2019 1:07:57 AM	48429

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

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

Analytical Report

Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions		Client Sample ID: TT-4 3FT	
Project: Custom Select Big Cat		Collection Date: 10/22/2019 12:30:00 PM	
Lab ID: 1910D20-020	Matrix: SOIL	Received Date: 10/24/2019 9:15:00 AM	

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	280	60		mg/Kg	20	10/29/2019 1:20:16 AM	48429

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

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

Analytical Report

Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-5 Surface

Project: Custom Select Big Cat

Collection Date: 10/22/2019 12:35:00 PM

Lab ID: 1910D20-021

Matrix: SOIL

Received Date: 10/24/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	61		mg/Kg	20	10/29/2019 1:32:37 AM	48429
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	10/28/2019 2:35:33 PM	48382
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/28/2019 2:35:33 PM	48382
Surr: DNOP	77.1	70-130		%Rec	1	10/28/2019 2:35:33 PM	48382
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/26/2019 2:25:25 AM	48375
Surr: BFB	81.0	77.4-118		%Rec	1	10/26/2019 2:25:25 AM	48375
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	10/26/2019 2:25:25 AM	48375
Toluene	ND	0.049		mg/Kg	1	10/26/2019 2:25:25 AM	48375
Ethylbenzene	ND	0.049		mg/Kg	1	10/26/2019 2:25:25 AM	48375
Xylenes, Total	ND	0.098		mg/Kg	1	10/26/2019 2:25:25 AM	48375
Surr: 4-Bromofluorobenzene	85.1	80-120		%Rec	1	10/26/2019 2:25:25 AM	48375

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

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

Analytical Report

Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-5 1FT

Project: Custom Select Big Cat

Collection Date: 10/22/2019 12:45:00 PM

Lab ID: 1910D20-022

Matrix: SOIL

Received Date: 10/24/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	170	60		mg/Kg	20	10/29/2019 1:44:57 AM	48429
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	8.0		mg/Kg	1	10/28/2019 2:57:41 PM	48382
Motor Oil Range Organics (MRO)	ND	40		mg/Kg	1	10/28/2019 2:57:41 PM	48382
Surr: DNOP	77.3	70-130		%Rec	1	10/28/2019 2:57:41 PM	48382
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/26/2019 2:48:54 AM	48375
Surr: BFB	81.9	77.4-118		%Rec	1	10/26/2019 2:48:54 AM	48375
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	10/26/2019 2:48:54 AM	48375
Toluene	ND	0.048		mg/Kg	1	10/26/2019 2:48:54 AM	48375
Ethylbenzene	ND	0.048		mg/Kg	1	10/26/2019 2:48:54 AM	48375
Xylenes, Total	ND	0.097		mg/Kg	1	10/26/2019 2:48:54 AM	48375
Surr: 4-Bromofluorobenzene	86.3	80-120		%Rec	1	10/26/2019 2:48:54 AM	48375

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

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

Analytical Report

Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions	Client Sample ID: TT-5 2FT
Project: Custom Select Big Cat	Collection Date: 10/22/2019 12:50:00 PM
Lab ID: 1910D20-023	Received Date: 10/24/2019 9:15:00 AM
Matrix: SOIL	

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	670	60		mg/Kg	20	10/29/2019 1:57:18 AM	48429

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

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

Analytical Report

Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions		Client Sample ID: TT-5 3FT	
Project: Custom Select Big Cat		Collection Date: 10/22/2019 12:55:00 PM	
Lab ID: 1910D20-024	Matrix: SOIL	Received Date: 10/24/2019 9:15:00 AM	

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	270	60		mg/Kg	20	10/29/2019 2:09:39 AM	48429

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

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

Analytical Report

Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions			Client Sample ID: TT-5 4FT		
Project: Custom Select Big Cat			Collection Date: 10/22/2019 1:05:00 PM		
Lab ID: 1910D20-025		Matrix: SOIL	Received Date: 10/24/2019 9:15:00 AM		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	10/29/2019 2:21:59 AM	48429

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

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

Analytical Report

Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-6 Surface

Project: Custom Select Big Cat

Collection Date: 10/22/2019 1:10:00 PM

Lab ID: 1910D20-026

Matrix: SOIL

Received Date: 10/24/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	65	60		mg/Kg	20	10/29/2019 2:34:19 AM	48429
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	10/28/2019 3:19:36 PM	48382
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/28/2019 3:19:36 PM	48382
Surr: DNOP	72.9	70-130		%Rec	1	10/28/2019 3:19:36 PM	48382
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/26/2019 3:35:46 AM	48375
Surr: BFB	94.5	77.4-118		%Rec	1	10/26/2019 3:35:46 AM	48375
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	10/26/2019 3:35:46 AM	48375
Toluene	ND	0.047		mg/Kg	1	10/26/2019 3:35:46 AM	48375
Ethylbenzene	ND	0.047		mg/Kg	1	10/26/2019 3:35:46 AM	48375
Xylenes, Total	ND	0.095		mg/Kg	1	10/26/2019 3:35:46 AM	48375
Surr: 4-Bromofluorobenzene	99.6	80-120		%Rec	1	10/26/2019 3:35:46 AM	48375

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

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

Analytical Report

Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-6 1FT

Project: Custom Select Big Cat

Collection Date: 10/22/2019 1:15:00 PM

Lab ID: 1910D20-027

Matrix: SOIL

Received Date: 10/24/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	160	60		mg/Kg	20	10/29/2019 2:46:40 AM	48429
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	10/28/2019 3:41:41 PM	48382
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/28/2019 3:41:41 PM	48382
Surr: DNOP	80.8	70-130		%Rec	1	10/28/2019 3:41:41 PM	48382
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/26/2019 3:59:11 AM	48375
Surr: BFB	92.7	77.4-118		%Rec	1	10/26/2019 3:59:11 AM	48375
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	10/26/2019 3:59:11 AM	48375
Toluene	ND	0.046		mg/Kg	1	10/26/2019 3:59:11 AM	48375
Ethylbenzene	ND	0.046		mg/Kg	1	10/26/2019 3:59:11 AM	48375
Xylenes, Total	ND	0.093		mg/Kg	1	10/26/2019 3:59:11 AM	48375
Surr: 4-Bromofluorobenzene	97.5	80-120		%Rec	1	10/26/2019 3:59:11 AM	48375

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

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

Analytical Report

Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions	Client Sample ID: TT-6 2FT
Project: Custom Select Big Cat	Collection Date: 10/22/2019 1:25:00 PM
Lab ID: 1910D20-028	Received Date: 10/24/2019 9:15:00 AM
Matrix: SOIL	

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	310	60		mg/Kg	20	10/29/2019 3:23:42 AM	48429

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

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

Analytical ReportLab Order **1910D20**Date Reported: **10/31/2019****Hall Environmental Analysis Laboratory, Inc.****CLIENT:** Safety & Environmental Solutions**Client Sample ID:** TT-6 3FT**Project:** Custom Select Big Cat**Collection Date:** 10/22/2019 1:35:00 PM**Lab ID:** 1910D20-029**Matrix:** SOIL**Received Date:** 10/24/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	170	60		mg/Kg	20	10/29/2019 3:36:02 AM	48429

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

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

Analytical Report

Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions			Client Sample ID: TT-6 4FT		
Project: Custom Select Big Cat			Collection Date: 10/22/2019 1:45:00 PM		
Lab ID: 1910D20-030		Matrix: SOIL	Received Date: 10/24/2019 9:15:00 AM		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	85	60		mg/Kg	20	10/29/2019 3:48:22 AM	48429

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

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

Analytical Report

Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-7 Surface

Project: Custom Select Big Cat

Collection Date: 10/22/2019 1:50:00 PM

Lab ID: 1910D20-031

Matrix: SOIL

Received Date: 10/24/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	10/29/2019 2:17:47 PM	48447
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	8.0		mg/Kg	1	10/28/2019 4:03:47 PM	48382
Motor Oil Range Organics (MRO)	ND	40		mg/Kg	1	10/28/2019 4:03:47 PM	48382
Surr: DNOP	84.5	70-130		%Rec	1	10/28/2019 4:03:47 PM	48382
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/26/2019 5:09:22 AM	48375
Surr: BFB	81.7	77.4-118		%Rec	1	10/26/2019 5:09:22 AM	48375
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	10/26/2019 5:09:22 AM	48375
Toluene	ND	0.048		mg/Kg	1	10/26/2019 5:09:22 AM	48375
Ethylbenzene	ND	0.048		mg/Kg	1	10/26/2019 5:09:22 AM	48375
Xylenes, Total	ND	0.095		mg/Kg	1	10/26/2019 5:09:22 AM	48375
Surr: 4-Bromofluorobenzene	85.7	80-120		%Rec	1	10/26/2019 5:09:22 AM	48375

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

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

Analytical Report

Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-7 1FT

Project: Custom Select Big Cat

Collection Date: 10/22/2019 2:00:00 PM

Lab ID: 1910D20-032

Matrix: SOIL

Received Date: 10/24/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	360	60		mg/Kg	20	10/29/2019 2:55:01 PM	48447
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	10/28/2019 4:26:01 PM	48382
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	10/28/2019 4:26:01 PM	48382
Surr: DNOP	81.2	70-130		%Rec	1	10/28/2019 4:26:01 PM	48382
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/26/2019 5:32:42 AM	48375
Surr: BFB	83.4	77.4-118		%Rec	1	10/26/2019 5:32:42 AM	48375
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	10/26/2019 5:32:42 AM	48375
Toluene	ND	0.047		mg/Kg	1	10/26/2019 5:32:42 AM	48375
Ethylbenzene	ND	0.047		mg/Kg	1	10/26/2019 5:32:42 AM	48375
Xylenes, Total	ND	0.093		mg/Kg	1	10/26/2019 5:32:42 AM	48375
Surr: 4-Bromofluorobenzene	86.8	80-120		%Rec	1	10/26/2019 5:32:42 AM	48375

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

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

Analytical ReportLab Order **1910D20**Date Reported: **10/31/2019****Hall Environmental Analysis Laboratory, Inc.****CLIENT:** Safety & Environmental Solutions**Client Sample ID:** TT-7 2FT**Project:** Custom Select Big Cat**Collection Date:** 10/22/2019 2:10:00 PM**Lab ID:** 1910D20-033**Matrix:** SOIL**Received Date:** 10/24/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	250	61		mg/Kg	20	10/29/2019 3:32:14 PM	48447

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

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

Analytical ReportLab Order **1910D20**Date Reported: **10/31/2019****Hall Environmental Analysis Laboratory, Inc.****CLIENT:** Safety & Environmental Solutions**Client Sample ID:** TT-7 3FT**Project:** Custom Select Big Cat**Collection Date:** 10/22/2019 2:15:00 PM**Lab ID:** 1910D20-034**Matrix:** SOIL**Received Date:** 10/24/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	240	60		mg/Kg	20	10/29/2019 3:44:39 PM	48447

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

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

Analytical Report

Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions	Client Sample ID: TT-7 4FT
Project: Custom Select Big Cat	Collection Date: 10/22/2019 2:20:00 PM
Lab ID: 1910D20-035	Received Date: 10/24/2019 9:15:00 AM
Matrix: SOIL	

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	110	60		mg/Kg	20	10/29/2019 4:21:52 PM	48447

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

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

Analytical Report

Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-8 Surface

Project: Custom Select Big Cat

Collection Date: 10/22/2019 2:25:00 PM

Lab ID: 1910D20-036

Matrix: SOIL

Received Date: 10/24/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	10/29/2019 4:34:17 PM	48447
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	10/28/2019 4:48:02 PM	48382
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	10/28/2019 4:48:02 PM	48382
Surr: DNOP	85.7	70-130		%Rec	1	10/28/2019 4:48:02 PM	48382
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/26/2019 5:56:04 AM	48375
Surr: BFB	84.1	77.4-118		%Rec	1	10/26/2019 5:56:04 AM	48375
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	10/26/2019 5:56:04 AM	48375
Toluene	ND	0.048		mg/Kg	1	10/26/2019 5:56:04 AM	48375
Ethylbenzene	ND	0.048		mg/Kg	1	10/26/2019 5:56:04 AM	48375
Xylenes, Total	ND	0.096		mg/Kg	1	10/26/2019 5:56:04 AM	48375
Surr: 4-Bromofluorobenzene	86.2	80-120		%Rec	1	10/26/2019 5:56:04 AM	48375

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

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

Analytical Report

Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-8 1FT

Project: Custom Select Big Cat

Collection Date: 10/22/2019 2:30:00 PM

Lab ID: 1910D20-037

Matrix: SOIL

Received Date: 10/24/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	260	60		mg/Kg	20	10/29/2019 4:46:41 PM	48447
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	10/28/2019 5:10:12 PM	48382
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/28/2019 5:10:12 PM	48382
Surr: DNOP	83.9	70-130		%Rec	1	10/28/2019 5:10:12 PM	48382
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/26/2019 6:19:27 AM	48375
Surr: BFB	81.2	77.4-118		%Rec	1	10/26/2019 6:19:27 AM	48375
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	10/26/2019 6:19:27 AM	48375
Toluene	ND	0.048		mg/Kg	1	10/26/2019 6:19:27 AM	48375
Ethylbenzene	ND	0.048		mg/Kg	1	10/26/2019 6:19:27 AM	48375
Xylenes, Total	ND	0.096		mg/Kg	1	10/26/2019 6:19:27 AM	48375
Surr: 4-Bromofluorobenzene	84.8	80-120		%Rec	1	10/26/2019 6:19:27 AM	48375

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

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

Analytical ReportLab Order **1910D20**Date Reported: **10/31/2019****Hall Environmental Analysis Laboratory, Inc.****CLIENT:** Safety & Environmental Solutions**Client Sample ID:** TT-8 2FT**Project:** Custom Select Big Cat**Collection Date:** 10/22/2019 2:35:00 PM**Lab ID:** 1910D20-038**Matrix:** SOIL**Received Date:** 10/24/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	660	60		mg/Kg	20	10/29/2019 4:59:06 PM	48447

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

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

Analytical ReportLab Order **1910D20**Date Reported: **10/31/2019****Hall Environmental Analysis Laboratory, Inc.****CLIENT:** Safety & Environmental Solutions**Client Sample ID:** TT-8 3FT**Project:** Custom Select Big Cat**Collection Date:** 10/22/2019 2:45:00 PM**Lab ID:** 1910D20-039**Matrix:** SOIL**Received Date:** 10/24/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	170	60		mg/Kg	20	10/29/2019 5:11:30 PM	48447

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

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

Analytical Report

Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions	Client Sample ID: TT-8 4FT
Project: Custom Select Big Cat	Collection Date: 10/22/2019 3:00:00 PM
Lab ID: 1910D20-040	Received Date: 10/24/2019 9:15:00 AM
Matrix: SOIL	

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	10/29/2019 5:23:55 PM	48447

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

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

Analytical Report

Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-9 Surface

Project: Custom Select Big Cat

Collection Date: 10/23/2019 8:30:00 AM

Lab ID: 1910D20-041

Matrix: SOIL

Received Date: 10/24/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	10/29/2019 5:36:20 PM	48447
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	10/28/2019 5:32:22 PM	48382
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	10/28/2019 5:32:22 PM	48382
Surr: DNOP	87.0	70-130		%Rec	1	10/28/2019 5:32:22 PM	48382
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/26/2019 6:42:48 AM	48375
Surr: BFB	83.9	77.4-118		%Rec	1	10/26/2019 6:42:48 AM	48375
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	10/26/2019 6:42:48 AM	48375
Toluene	ND	0.047		mg/Kg	1	10/26/2019 6:42:48 AM	48375
Ethylbenzene	ND	0.047		mg/Kg	1	10/26/2019 6:42:48 AM	48375
Xylenes, Total	ND	0.094		mg/Kg	1	10/26/2019 6:42:48 AM	48375
Surr: 4-Bromofluorobenzene	88.2	80-120		%Rec	1	10/26/2019 6:42:48 AM	48375

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

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

Analytical Report

Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-9 1FT

Project: Custom Select Big Cat

Collection Date: 10/23/2019 8:35:00 AM

Lab ID: 1910D20-042

Matrix: SOIL

Received Date: 10/24/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	240	60		mg/Kg	20	10/29/2019 5:48:45 PM	48447
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/28/2019 6:16:27 PM	48382
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/28/2019 6:16:27 PM	48382
Surr: DNOP	84.3	70-130		%Rec	1	10/28/2019 6:16:27 PM	48382
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/26/2019 7:06:11 AM	48375
Surr: BFB	82.3	77.4-118		%Rec	1	10/26/2019 7:06:11 AM	48375
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	10/26/2019 7:06:11 AM	48375
Toluene	ND	0.047		mg/Kg	1	10/26/2019 7:06:11 AM	48375
Ethylbenzene	ND	0.047		mg/Kg	1	10/26/2019 7:06:11 AM	48375
Xylenes, Total	ND	0.094		mg/Kg	1	10/26/2019 7:06:11 AM	48375
Surr: 4-Bromofluorobenzene	86.1	80-120		%Rec	1	10/26/2019 7:06:11 AM	48375

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

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

Analytical ReportLab Order **1910D20**Date Reported: **10/31/2019****Hall Environmental Analysis Laboratory, Inc.****CLIENT:** Safety & Environmental Solutions**Client Sample ID:** TT-9 2FT**Project:** Custom Select Big Cat**Collection Date:** 10/23/2019 8:45:00 AM**Lab ID:** 1910D20-043**Matrix:** SOIL**Received Date:** 10/24/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	150	60		mg/Kg	20	10/29/2019 3:14:06 PM	48448

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

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

Analytical ReportLab Order **1910D20**Date Reported: **10/31/2019****Hall Environmental Analysis Laboratory, Inc.****CLIENT:** Safety & Environmental Solutions**Client Sample ID:** TT-9 3FT**Project:** Custom Select Big Cat**Collection Date:** 10/23/2019 8:55:00 AM**Lab ID:** 1910D20-044**Matrix:** SOIL**Received Date:** 10/24/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	170	60		mg/Kg	20	10/29/2019 3:26:27 PM	48448

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

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

Analytical ReportLab Order **1910D20**Date Reported: **10/31/2019****Hall Environmental Analysis Laboratory, Inc.****CLIENT:** Safety & Environmental Solutions**Client Sample ID:** TT-9 4FT**Project:** Custom Select Big Cat**Collection Date:** 10/23/2019 9:00:00 AM**Lab ID:** 1910D20-045**Matrix:** SOIL**Received Date:** 10/24/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	88	60		mg/Kg	20	10/29/2019 3:38:47 PM	48448

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

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

Analytical Report

Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-10 Surface

Project: Custom Select Big Cat

Collection Date: 10/23/2019 9:10:00 AM

Lab ID: 1910D20-046

Matrix: SOIL

Received Date: 10/24/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	ND	60		mg/Kg	20	10/29/2019 3:51:08 PM	48448
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	8.4		mg/Kg	1	10/28/2019 6:38:39 PM	48382
Motor Oil Range Organics (MRO)	ND	42		mg/Kg	1	10/28/2019 6:38:39 PM	48382
Surr: DNOP	86.4	70-130		%Rec	1	10/28/2019 6:38:39 PM	48382
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/26/2019 7:33:38 PM	48375
Surr: BFB	94.4	77.4-118		%Rec	1	10/26/2019 7:33:38 PM	48375
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	10/26/2019 7:33:38 PM	48375
Toluene	ND	0.050		mg/Kg	1	10/26/2019 7:33:38 PM	48375
Ethylbenzene	ND	0.050		mg/Kg	1	10/26/2019 7:33:38 PM	48375
Xylenes, Total	ND	0.099		mg/Kg	1	10/26/2019 7:33:38 PM	48375
Surr: 4-Bromofluorobenzene	93.0	80-120		%Rec	1	10/26/2019 7:33:38 PM	48375

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

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

Analytical Report

Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-10 1FT

Project: Custom Select Big Cat

Collection Date: 10/23/2019 9:15:00 AM

Lab ID: 1910D20-047

Matrix: SOIL

Received Date: 10/24/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	120	60		mg/Kg	20	10/29/2019 4:28:09 PM	48448
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	8.8		mg/Kg	1	10/28/2019 7:00:41 PM	48382
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	10/28/2019 7:00:41 PM	48382
Surr: DNOP	81.4	70-130		%Rec	1	10/28/2019 7:00:41 PM	48382
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/26/2019 8:02:34 PM	48375
Surr: BFB	91.8	77.4-118		%Rec	1	10/26/2019 8:02:34 PM	48375
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	10/26/2019 5:44:30 AM	48375
Toluene	ND	0.050		mg/Kg	1	10/26/2019 5:44:30 AM	48375
Ethylbenzene	ND	0.050		mg/Kg	1	10/26/2019 5:44:30 AM	48375
Xylenes, Total	ND	0.099		mg/Kg	1	10/26/2019 5:44:30 AM	48375
Surr: 4-Bromofluorobenzene	87.7	80-120		%Rec	1	10/26/2019 5:44:30 AM	48375

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

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

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-10 2FT

Project: Custom Select Big Cat

Collection Date: 10/23/2019 9:25:00 AM

Lab ID: 1910D20-048

Matrix: SOIL

Received Date: 10/24/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	130	60		mg/Kg	20	10/29/2019 4:40:29 PM	48448

Analytical Report

Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions		Client Sample ID: TT-10 3FT	
Project: Custom Select Big Cat		Collection Date: 10/23/2019 9:35:00 AM	
Lab ID: 1910D20-049	Matrix: SOIL	Received Date: 10/24/2019 9:15:00 AM	

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	160	59		mg/Kg	20	10/29/2019 4:52:49 PM	48448

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

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

Analytical Report

Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions			Client Sample ID: TT-10 4FT		
Project: Custom Select Big Cat			Collection Date: 10/23/2019 9:45:00 AM		
Lab ID: 1910D20-050		Matrix: SOIL	Received Date: 10/24/2019 9:15:00 AM		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	130	60		mg/Kg	20	10/29/2019 5:05:09 PM	48448

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

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

Analytical Report

Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-11 4FT

Project: Custom Select Big Cat

Collection Date: 10/23/2019 10:00:00 AM

Lab ID: 1910D20-051

Matrix: SOIL

Received Date: 10/24/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	ND	60		mg/Kg	20	10/29/2019 5:17:31 PM	48448
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	21	9.3		mg/Kg	1	10/29/2019 10:41:17 AM	48402
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/29/2019 10:41:17 AM	48402
Surr: DNOP	97.9	70-130		%Rec	1	10/29/2019 10:41:17 AM	48402
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/26/2019 8:26:04 PM	48375
Surr: BFB	90.4	77.4-118		%Rec	1	10/26/2019 8:26:04 PM	48375
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	10/26/2019 6:30:09 AM	48375
Toluene	ND	0.047		mg/Kg	1	10/26/2019 6:30:09 AM	48375
Ethylbenzene	ND	0.047		mg/Kg	1	10/26/2019 6:30:09 AM	48375
Xylenes, Total	ND	0.094		mg/Kg	1	10/26/2019 6:30:09 AM	48375
Surr: 4-Bromofluorobenzene	86.9	80-120		%Rec	1	10/26/2019 6:30:09 AM	48375

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

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

Analytical Report

Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-12 Surface

Project: Custom Select Big Cat

Collection Date: 10/23/2019 10:15:00 AM

Lab ID: 1910D20-052

Matrix: SOIL

Received Date: 10/24/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	ND	60		mg/Kg	20	10/29/2019 5:29:52 PM	48448
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	10/29/2019 2:26:54 PM	48402
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/29/2019 2:26:54 PM	48402
Surr: DNOP	63.6	70-130	S	%Rec	1	10/29/2019 2:26:54 PM	48402
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/26/2019 8:49:37 PM	48375
Surr: BFB	88.2	77.4-118		%Rec	1	10/26/2019 8:49:37 PM	48375
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	10/26/2019 6:52:57 AM	48375
Toluene	ND	0.047		mg/Kg	1	10/26/2019 6:52:57 AM	48375
Ethylbenzene	ND	0.047		mg/Kg	1	10/26/2019 6:52:57 AM	48375
Xylenes, Total	ND	0.094		mg/Kg	1	10/26/2019 6:52:57 AM	48375
Surr: 4-Bromofluorobenzene	86.7	80-120		%Rec	1	10/26/2019 6:52:57 AM	48375

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

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

Analytical Report

Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-12 1FT

Project: Custom Select Big Cat

Collection Date: 10/23/2019 10:20:00 AM

Lab ID: 1910D20-053

Matrix: SOIL

Received Date: 10/24/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	720	60		mg/Kg	20	10/29/2019 7:15:36 PM	48465
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/29/2019 2:51:05 PM	48402
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/29/2019 2:51:05 PM	48402
Surr: DNOP	50.6	70-130	S	%Rec	1	10/29/2019 2:51:05 PM	48402
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/26/2019 7:56:24 PM	48395
Surr: BFB	96.9	77.4-118		%Rec	1	10/26/2019 7:56:24 PM	48395
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	10/26/2019 7:56:24 PM	48395
Toluene	ND	0.048		mg/Kg	1	10/26/2019 7:56:24 PM	48395
Ethylbenzene	ND	0.048		mg/Kg	1	10/26/2019 7:56:24 PM	48395
Xylenes, Total	ND	0.097		mg/Kg	1	10/26/2019 7:56:24 PM	48395
Surr: 4-Bromofluorobenzene	93.6	80-120		%Rec	1	10/26/2019 7:56:24 PM	48395

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

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

Analytical Report

Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions	Client Sample ID: TT-12 2FT
Project: Custom Select Big Cat	Collection Date: 10/23/2019 10:30:00 AM
Lab ID: 1910D20-054	Received Date: 10/24/2019 9:15:00 AM
Matrix: SOIL	

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	300	60		mg/Kg	20	10/29/2019 7:52:50 PM	48465

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

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

CLIENT: Safety & Environmental Solutions

Project: Custom Select Big Cat

Lab ID: 1910D20-055

Client Sample ID: TT-12 3FT

Collection Date: 10/23/2019 10:40:00 AM

Received Date: 10/24/2019 9:15:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	190	60		mg/Kg	20	10/29/2019 8:05:14 PM	48465

CLIENT: Safety & Environmental Solutions	Client Sample ID: TT-12 4FT
Project: Custom Select Big Cat	Collection Date: 10/23/2019 10:50:00 AM
Lab ID: 1910D20-056	Received Date: 10/24/2019 9:15:00 AM
Matrix: SOIL	

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	120	60		mg/Kg	20	10/29/2019 8:17:39 PM	48465

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

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

Analytical Report

Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-1 East Wall

Project: Custom Select Big Cat

Collection Date: 10/23/2019 11:15:00 AM

Lab ID: 1910D20-057

Matrix: SOIL

Received Date: 10/24/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	59		mg/Kg	20	10/29/2019 8:30:04 PM	48465
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/29/2019 3:15:29 PM	48402
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/29/2019 3:15:29 PM	48402
Surr: DNOP	49.0	70-130	S	%Rec	1	10/29/2019 3:15:29 PM	48402
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/26/2019 9:04:39 PM	48395
Surr: BFB	95.8	77.4-118		%Rec	1	10/26/2019 9:04:39 PM	48395
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	10/26/2019 9:04:39 PM	48395
Toluene	ND	0.049		mg/Kg	1	10/26/2019 9:04:39 PM	48395
Ethylbenzene	ND	0.049		mg/Kg	1	10/26/2019 9:04:39 PM	48395
Xylenes, Total	ND	0.098		mg/Kg	1	10/26/2019 9:04:39 PM	48395
Surr: 4-Bromofluorobenzene	93.9	80-120		%Rec	1	10/26/2019 9:04:39 PM	48395

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

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

Analytical Report

Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-2 West Wall

Project: Custom Select Big Cat

Collection Date: 10/23/2019 11:25:00 AM

Lab ID: 1910D20-058

Matrix: SOIL

Received Date: 10/24/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	10/29/2019 8:42:29 PM	48465
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	10/29/2019 3:39:37 PM	48402
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/29/2019 3:39:37 PM	48402
Surr: DNOP	51.8	70-130	S	%Rec	1	10/29/2019 3:39:37 PM	48402
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/26/2019 10:13:58 PM	48395
Surr: BFB	98.9	77.4-118		%Rec	1	10/26/2019 10:13:58 PM	48395
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	10/26/2019 10:13:58 PM	48395
Toluene	ND	0.047		mg/Kg	1	10/26/2019 10:13:58 PM	48395
Ethylbenzene	ND	0.047		mg/Kg	1	10/26/2019 10:13:58 PM	48395
Xylenes, Total	ND	0.093		mg/Kg	1	10/26/2019 10:13:58 PM	48395
Surr: 4-Bromofluorobenzene	93.8	80-120		%Rec	1	10/26/2019 10:13:58 PM	48395

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

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

Analytical Report

Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-3 East Wall

Project: Custom Select Big Cat

Collection Date: 10/23/2019 11:35:00 AM

Lab ID: 1910D20-059

Matrix: SOIL

Received Date: 10/24/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	10/29/2019 9:19:43 PM	48465
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	10/29/2019 4:03:55 PM	48402
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/29/2019 4:03:55 PM	48402
Surr: DNOP	56.7	70-130	S	%Rec	1	10/29/2019 4:03:55 PM	48402
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/26/2019 10:36:51 PM	48395
Surr: BFB	99.1	77.4-118		%Rec	1	10/26/2019 10:36:51 PM	48395
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	10/26/2019 10:36:51 PM	48395
Toluene	ND	0.047		mg/Kg	1	10/26/2019 10:36:51 PM	48395
Ethylbenzene	ND	0.047		mg/Kg	1	10/26/2019 10:36:51 PM	48395
Xylenes, Total	ND	0.093		mg/Kg	1	10/26/2019 10:36:51 PM	48395
Surr: 4-Bromofluorobenzene	95.8	80-120		%Rec	1	10/26/2019 10:36:51 PM	48395

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

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

Analytical Report

Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-4 West Wall

Project: Custom Select Big Cat

Collection Date: 10/23/2019 11:45:00 AM

Lab ID: 1910D20-060

Matrix: SOIL

Received Date: 10/24/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	10/29/2019 9:32:08 PM	48465
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/29/2019 4:28:10 PM	48402
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/29/2019 4:28:10 PM	48402
Surr: DNOP	63.0	70-130	S	%Rec	1	10/29/2019 4:28:10 PM	48402
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/26/2019 10:59:59 PM	48395
Surr: BFB	94.7	77.4-118		%Rec	1	10/26/2019 10:59:59 PM	48395
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	10/26/2019 10:59:59 PM	48395
Toluene	ND	0.047		mg/Kg	1	10/26/2019 10:59:59 PM	48395
Ethylbenzene	ND	0.047		mg/Kg	1	10/26/2019 10:59:59 PM	48395
Xylenes, Total	ND	0.095		mg/Kg	1	10/26/2019 10:59:59 PM	48395
Surr: 4-Bromofluorobenzene	90.7	80-120		%Rec	1	10/26/2019 10:59:59 PM	48395

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

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

Analytical Report

Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-5 East Wall

Project: Custom Select Big Cat

Collection Date: 10/23/2019 11:55:00 AM

Lab ID: 1910D20-061

Matrix: SOIL

Received Date: 10/24/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	10/29/2019 9:44:32 PM	48465
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/29/2019 5:16:45 PM	48402
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/29/2019 5:16:45 PM	48402
Surr: DNOP	61.3	70-130	S	%Rec	1	10/29/2019 5:16:45 PM	48402
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/26/2019 11:23:05 PM	48395
Surr: BFB	94.4	77.4-118		%Rec	1	10/26/2019 11:23:05 PM	48395
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	10/26/2019 11:23:05 PM	48395
Toluene	ND	0.046		mg/Kg	1	10/26/2019 11:23:05 PM	48395
Ethylbenzene	ND	0.046		mg/Kg	1	10/26/2019 11:23:05 PM	48395
Xylenes, Total	ND	0.093		mg/Kg	1	10/26/2019 11:23:05 PM	48395
Surr: 4-Bromofluorobenzene	91.5	80-120		%Rec	1	10/26/2019 11:23:05 PM	48395

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

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

Analytical ReportLab Order **1910D20**Date Reported: **10/31/2019****Hall Environmental Analysis Laboratory, Inc.****CLIENT:** Safety & Environmental Solutions**Client Sample ID:** SP-6 West Wall**Project:** Custom Select Big Cat**Collection Date:** 10/23/2019 12:10:00 PM**Lab ID:** 1910D20-062**Matrix:** SOIL**Received Date:** 10/24/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	10/29/2019 9:56:57 PM	48465
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	8.6		mg/Kg	1	10/29/2019 5:41:13 PM	48402
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	10/29/2019 5:41:13 PM	48402
Surr: DNOP	68.1	70-130	S	%Rec	1	10/29/2019 5:41:13 PM	48402
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/26/2019 11:46:09 PM	48395
Surr: BFB	92.4	77.4-118		%Rec	1	10/26/2019 11:46:09 PM	48395
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	10/26/2019 11:46:09 PM	48395
Toluene	ND	0.047		mg/Kg	1	10/26/2019 11:46:09 PM	48395
Ethylbenzene	ND	0.047		mg/Kg	1	10/26/2019 11:46:09 PM	48395
Xylenes, Total	ND	0.093		mg/Kg	1	10/26/2019 11:46:09 PM	48395
Surr: 4-Bromofluorobenzene	87.7	80-120		%Rec	1	10/26/2019 11:46:09 PM	48395

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

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

Analytical Report

Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-7 East Wall

Project: Custom Select Big Cat

Collection Date: 10/23/2019 12:20:00 PM

Lab ID: 1910D20-063

Matrix: SOIL

Received Date: 10/24/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	10/29/2019 10:09:22 PM	48465
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/29/2019 6:05:24 PM	48402
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/29/2019 6:05:24 PM	48402
Surr: DNOP	70.9	70-130		%Rec	1	10/29/2019 6:05:24 PM	48402
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/27/2019 12:09:16 AM	48395
Surr: BFB	93.9	77.4-118		%Rec	1	10/27/2019 12:09:16 AM	48395
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	10/27/2019 12:09:16 AM	48395
Toluene	ND	0.048		mg/Kg	1	10/27/2019 12:09:16 AM	48395
Ethylbenzene	ND	0.048		mg/Kg	1	10/27/2019 12:09:16 AM	48395
Xylenes, Total	ND	0.095		mg/Kg	1	10/27/2019 12:09:16 AM	48395
Surr: 4-Bromofluorobenzene	89.8	80-120		%Rec	1	10/27/2019 12:09:16 AM	48395

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

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

Analytical Report

Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-8 West Wall

Project: Custom Select Big Cat

Collection Date: 10/23/2019 12:35:00 PM

Lab ID: 1910D20-064

Matrix: SOIL

Received Date: 10/24/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	10/29/2019 10:21:46 PM	48465
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	10/29/2019 6:29:54 PM	48402
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	10/29/2019 6:29:54 PM	48402
Surr: DNOP	70.5	70-130		%Rec	1	10/29/2019 6:29:54 PM	48402
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/27/2019 12:32:22 AM	48395
Surr: BFB	94.5	77.4-118		%Rec	1	10/27/2019 12:32:22 AM	48395
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	10/27/2019 12:32:22 AM	48395
Toluene	ND	0.049		mg/Kg	1	10/27/2019 12:32:22 AM	48395
Ethylbenzene	ND	0.049		mg/Kg	1	10/27/2019 12:32:22 AM	48395
Xylenes, Total	ND	0.097		mg/Kg	1	10/27/2019 12:32:22 AM	48395
Surr: 4-Bromofluorobenzene	89.8	80-120		%Rec	1	10/27/2019 12:32:22 AM	48395

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

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

Analytical Report

Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-9 East Wall

Project: Custom Select Big Cat

Collection Date: 10/23/2019 12:45:00 PM

Lab ID: 1910D20-065

Matrix: SOIL

Received Date: 10/24/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	10/29/2019 10:34:11 PM	48465
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	10/29/2019 6:54:19 PM	48402
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/29/2019 6:54:19 PM	48402
Surr: DNOP	71.9	70-130		%Rec	1	10/29/2019 6:54:19 PM	48402
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/27/2019 1:41:45 AM	48395
Surr: BFB	94.1	77.4-118		%Rec	1	10/27/2019 1:41:45 AM	48395
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	10/27/2019 1:41:45 AM	48395
Toluene	ND	0.048		mg/Kg	1	10/27/2019 1:41:45 AM	48395
Ethylbenzene	ND	0.048		mg/Kg	1	10/27/2019 1:41:45 AM	48395
Xylenes, Total	ND	0.096		mg/Kg	1	10/27/2019 1:41:45 AM	48395
Surr: 4-Bromofluorobenzene	90.1	80-120		%Rec	1	10/27/2019 1:41:45 AM	48395

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

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

Analytical Report

Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-10 West Wall

Project: Custom Select Big Cat

Collection Date: 10/23/2019 12:55:00 PM

Lab ID: 1910D20-066

Matrix: SOIL

Received Date: 10/24/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	10/29/2019 10:46:36 PM	48465
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	10/29/2019 7:18:47 PM	48402
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/29/2019 7:18:47 PM	48402
Surr: DNOP	74.7	70-130		%Rec	1	10/29/2019 7:18:47 PM	48402
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/27/2019 1:04:53 AM	48395
Surr: BFB	94.5	77.4-118		%Rec	1	10/27/2019 1:04:53 AM	48395
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	10/27/2019 1:04:53 AM	48395
Toluene	ND	0.047		mg/Kg	1	10/27/2019 1:04:53 AM	48395
Ethylbenzene	ND	0.047		mg/Kg	1	10/27/2019 1:04:53 AM	48395
Xylenes, Total	ND	0.095		mg/Kg	1	10/27/2019 1:04:53 AM	48395
Surr: 4-Bromofluorobenzene	89.3	80-120		%Rec	1	10/27/2019 1:04:53 AM	48395

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

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

Analytical Report

Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-11 North Wall

Project: Custom Select Big Cat

Collection Date: 10/23/2019 1:10:00 PM

Lab ID: 1910D20-067

Matrix: SOIL

Received Date: 10/24/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	10/29/2019 10:59:00 PM	48465
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	10/29/2019 7:43:05 PM	48402
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/29/2019 7:43:05 PM	48402
Surr: DNOP	75.0	70-130		%Rec	1	10/29/2019 7:43:05 PM	48402
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/27/2019 1:28:02 AM	48395
Surr: BFB	95.3	77.4-118		%Rec	1	10/27/2019 1:28:02 AM	48395
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	10/27/2019 1:28:02 AM	48395
Toluene	ND	0.046		mg/Kg	1	10/27/2019 1:28:02 AM	48395
Ethylbenzene	ND	0.046		mg/Kg	1	10/27/2019 1:28:02 AM	48395
Xylenes, Total	ND	0.093		mg/Kg	1	10/27/2019 1:28:02 AM	48395
Surr: 4-Bromofluorobenzene	93.0	80-120		%Rec	1	10/27/2019 1:28:02 AM	48395

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

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

Analytical Report

Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-12 East Wall

Project: Custom Select Big Cat

Collection Date: 10/23/2019 1:20:00 PM

Lab ID: 1910D20-068

Matrix: SOIL

Received Date: 10/24/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	10/29/2019 11:11:25 PM	48465
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	8.7		mg/Kg	1	10/29/2019 8:07:32 PM	48402
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	10/29/2019 8:07:32 PM	48402
Surr: DNOP	74.4	70-130		%Rec	1	10/29/2019 8:07:32 PM	48402
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/27/2019 1:51:11 AM	48395
Surr: BFB	93.7	77.4-118		%Rec	1	10/27/2019 1:51:11 AM	48395
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	10/27/2019 1:51:11 AM	48395
Toluene	ND	0.046		mg/Kg	1	10/27/2019 1:51:11 AM	48395
Ethylbenzene	ND	0.046		mg/Kg	1	10/27/2019 1:51:11 AM	48395
Xylenes, Total	ND	0.092		mg/Kg	1	10/27/2019 1:51:11 AM	48395
Surr: 4-Bromofluorobenzene	89.7	80-120		%Rec	1	10/27/2019 1:51:11 AM	48395

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

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

Analytical ReportLab Order **1910D20**Date Reported: **10/31/2019****Hall Environmental Analysis Laboratory, Inc.****CLIENT:** Safety & Environmental Solutions**Client Sample ID:** SP-13 West Wal**Project:** Custom Select Big Cat**Collection Date:** 10/23/2019 1:38:00 PM**Lab ID:** 1910D20-069**Matrix:** SOIL**Received Date:** 10/24/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	10/29/2019 11:48:38 PM	48465
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	10/29/2019 8:31:50 PM	48402
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/29/2019 8:31:50 PM	48402
Surr: DNOP	73.3	70-130		%Rec	1	10/29/2019 8:31:50 PM	48402
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/27/2019 2:14:15 AM	48395
Surr: BFB	95.6	77.4-118		%Rec	1	10/27/2019 2:14:15 AM	48395
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	10/27/2019 2:14:15 AM	48395
Toluene	ND	0.049		mg/Kg	1	10/27/2019 2:14:15 AM	48395
Ethylbenzene	ND	0.049		mg/Kg	1	10/27/2019 2:14:15 AM	48395
Xylenes, Total	ND	0.097		mg/Kg	1	10/27/2019 2:14:15 AM	48395
Surr: 4-Bromofluorobenzene	89.0	80-120		%Rec	1	10/27/2019 2:14:15 AM	48395

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

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

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 1910D20

31-Oct-19

Client: Safety & Environmental Solutions**Project:** Custom Select Big Cat

Sample ID: MB-48429	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 48429	RunNo: 64032								
Prep Date: 10/28/2019	Analysis Date: 10/28/2019	SeqNo: 2190557 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-48429	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 48429	RunNo: 64032								
Prep Date: 10/28/2019	Analysis Date: 10/28/2019	SeqNo: 2190558 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	98.4	90	110			

Sample ID: MB-48411	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 48411	RunNo: 64043								
Prep Date: 10/28/2019	Analysis Date: 10/28/2019	SeqNo: 2190880 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-48411	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 48411	RunNo: 64043								
Prep Date: 10/28/2019	Analysis Date: 10/28/2019	SeqNo: 2190881 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.6	90	110			

Sample ID: MB-48447	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 48447	RunNo: 64052								
Prep Date: 10/29/2019	Analysis Date: 10/29/2019	SeqNo: 2191796 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-48447	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 48447	RunNo: 64052								
Prep Date: 10/29/2019	Analysis Date: 10/29/2019	SeqNo: 2191797 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	98.0	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 Quantitative 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 Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**WO#: **1910D20****31-Oct-19****Client:** Safety & Environmental Solutions**Project:** Custom Select Big Cat

Sample ID: 1910D20-031AMSD	SampType: msd	TestCode: EPA Method 300.0: Anions								
Client ID: TT-7 Surface	Batch ID: 48447	RunNo: 64052								
Prep Date: 10/29/2019	Analysis Date: 10/29/2019	SeqNo: 2191812 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	60	30.00	0	0	54.5	140	0	20	S

Sample ID: MB-48465	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 48465	RunNo: 64052								
Prep Date: 10/29/2019	Analysis Date: 10/29/2019	SeqNo: 2191832 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-48465	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 48465	RunNo: 64052								
Prep Date: 10/29/2019	Analysis Date: 10/29/2019	SeqNo: 2191833 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.5	90	110			

Sample ID: MB-48448	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 48448	RunNo: 64051								
Prep Date: 10/29/2019	Analysis Date: 10/29/2019	SeqNo: 2191980 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-48448	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 48448	RunNo: 64051								
Prep Date: 10/29/2019	Analysis Date: 10/29/2019	SeqNo: 2191981 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	100	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 Quantitative 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 Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 1910D20

31-Oct-19

Client: Safety & Environmental Solutions**Project:** Custom Select Big Cat

Sample ID: 1910D20-001AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: TT-1 Surface	Batch ID: 48382	RunNo: 64029								
Prep Date: 10/25/2019	Analysis Date: 10/28/2019	SeqNo: 2190433 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	9.3	46.34	0	90.8	57	142			
Surr: DNOP	3.8		4.634		81.0	70	130			

Sample ID: 1910D20-001AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: TT-1 Surface	Batch ID: 48382	RunNo: 64029								
Prep Date: 10/25/2019	Analysis Date: 10/28/2019	SeqNo: 2190434 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	9.6	47.98	0	92.5	57	142	5.37	20	
Surr: DNOP	4.0		4.798		82.8	70	130	0	0	

Sample ID: LCS-48382	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 48382	RunNo: 64029								
Prep Date: 10/25/2019	Analysis Date: 10/28/2019	SeqNo: 2190454 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	96.3	63.9	124			
Surr: DNOP	3.9		5.000		78.7	70	130			

Sample ID: MB-48382	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 48382	RunNo: 64029								
Prep Date: 10/25/2019	Analysis Date: 10/28/2019	SeqNo: 2190455 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)	ND	50								
Surr: DNOP	10		10.00		104	70	130			

Sample ID: MB-48402	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 48402	RunNo: 64033								
Prep Date: 10/28/2019	Analysis Date: 10/29/2019	SeqNo: 2190864 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)	ND	50								
Surr: DNOP	11		10.00		105	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 Quantitative 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 Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 1910D20

31-Oct-19

Client: Safety & Environmental Solutions**Project:** Custom Select Big Cat

Sample ID: MB-48409	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 48409	RunNo: 64033								
Prep Date: 10/28/2019	Analysis Date: 10/29/2019	SeqNo: 2190866 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.3		10.00		93.3	70	130			

Sample ID: LCS-48402	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 48402	RunNo: 64037								
Prep Date: 10/28/2019	Analysis Date: 10/29/2019	SeqNo: 2191039 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	96.8	63.9	124			
Surr: DNOP	4.7		5.000		93.6	70	130			

Sample ID: MB-48402	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 48402	RunNo: 64037								
Prep Date: 10/28/2019	Analysis Date: 10/29/2019	SeqNo: 2191040 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)	ND	50								
Surr: DNOP	9.6		10.00		95.8	70	130			

Sample ID: MB-48409	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 48409	RunNo: 64033								
Prep Date: 10/28/2019	Analysis Date: 10/29/2019	SeqNo: 2191318 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	12		10.00		115	70	130			

Sample ID: LCS-48409	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 48409	RunNo: 64033								
Prep Date: 10/28/2019	Analysis Date: 10/29/2019	SeqNo: 2191319 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.9		5.000		97.7	70	130			

Sample ID: 1910D20-051AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: TT-11 4FT	Batch ID: 48402	RunNo: 64037								
Prep Date: 10/28/2019	Analysis Date: 10/29/2019	SeqNo: 2192156 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	55	9.1	45.66	21.04	74.3	57	142			
Surr: DNOP	4.2		4.566		91.4	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 Quantitative 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 Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: 1910D20
31-Oct-19

Client: Safety & Environmental Solutions
Project: Custom Select Big Cat

Sample ID: 1910D20-051AMSD		SampType: MSD		TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: TT-11 4FT		Batch ID: 48402		RunNo: 64037						
Prep Date: 10/28/2019		Analysis Date: 10/29/2019		SeqNo: 2192157		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	59	9.7	48.36	21.04	77.6	57	142	6.34	20	
Surr: DNOP	4.8		4.836		99.3	70	130	0	0	

Qualifiers:

- *

Value exceeds Maximum Contaminant Level.
- D

Sample Diluted Due to Matrix
- H

Holding times for preparation or analysis exceeded
- ND

Not Detected at the Reporting Limit
- PQL

Practical Quantitative 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 Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 1910D20

31-Oct-19

Client: Safety & Environmental Solutions**Project:** Custom Select Big Cat

Sample ID: MB-48366	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 48366	RunNo: 63981								
Prep Date: 10/24/2019	Analysis Date: 10/25/2019	SeqNo: 2188844 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	960		1000		96.1	77.4	118			

Sample ID: LCS-48366	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 48366	RunNo: 63981								
Prep Date: 10/24/2019	Analysis Date: 10/25/2019	SeqNo: 2188845 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	99.5	80	120			
Surr: BFB	1000		1000		103	77.4	118			

Sample ID: MB-48361	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 48361	RunNo: 63980								
Prep Date: 10/24/2019	Analysis Date: 10/25/2019	SeqNo: 2188906 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	860		1000		86.2	77.4	118			

Sample ID: LCS-48361	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 48361	RunNo: 63980								
Prep Date: 10/24/2019	Analysis Date: 10/25/2019	SeqNo: 2188907 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	990		1000		99.2	77.4	118			

Sample ID: MB-48375	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 48375	RunNo: 63980								
Prep Date: 10/24/2019	Analysis Date: 10/25/2019	SeqNo: 2188928 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	830		1000		83.1	77.4	118			

Sample ID: LCS-48375	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 48375	RunNo: 63980								
Prep Date: 10/24/2019	Analysis Date: 10/25/2019	SeqNo: 2188929 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	97.4	80	120			
Surr: BFB	1000		1000		101	77.4	118			

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 Quantitative 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 Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 1910D20

31-Oct-19

Client: Safety & Environmental Solutions**Project:** Custom Select Big Cat

Sample ID: 1910D20-007AMS	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: TT-2 Surface	Batch ID: 48375	RunNo: 63980								
Prep Date: 10/24/2019	Analysis Date: 10/25/2019	SeqNo: 2188931 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	4.7	23.32	0	89.6	69.1	142			
Surr: BFB	880		932.8		94.9	77.4	118			

Sample ID: 1910D20-007AMSD	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: TT-2 Surface	Batch ID: 48375	RunNo: 63980								
Prep Date: 10/24/2019	Analysis Date: 10/25/2019	SeqNo: 2188932 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	4.6	22.98	0	105	69.1	142	14.5	20	
Surr: BFB	990		919.1		108	77.4	118	0	0	

Sample ID: MB-48395	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 48395	RunNo: 63988								
Prep Date: 10/25/2019	Analysis Date: 10/26/2019	SeqNo: 2189060 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	940		1000		94.1	77.4	118			

Sample ID: LCS-48395	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 48395	RunNo: 63988								
Prep Date: 10/25/2019	Analysis Date: 10/26/2019	SeqNo: 2189061 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	95.4	80	120			
Surr: BFB	1000		1000		101	77.4	118			

Sample ID: 1910D20-053AMS	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: TT-12 1FT	Batch ID: 48395	RunNo: 63988								
Prep Date: 10/25/2019	Analysis Date: 10/26/2019	SeqNo: 2189063 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	4.8	24.04	0	108	69.1	142			
Surr: BFB	1100		961.5		112	77.4	118			

Sample ID: 1910D20-053AMSD	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: TT-12 1FT	Batch ID: 48395	RunNo: 63988								
Prep Date: 10/25/2019	Analysis Date: 10/26/2019	SeqNo: 2189064 Units: mg/Kg								
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 Quantitative 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 Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1910D20

31-Oct-19

Client: Safety & Environmental Solutions

Project: Custom Select Big Cat

Sample ID: 1910D20-053AMSD		SampType: MSD			TestCode: EPA Method 8015D: Gasoline Range					
Client ID: TT-12 1FT		Batch ID: 48395			RunNo: 63988					
Prep Date: 10/25/2019		Analysis Date: 10/26/2019			SeqNo: 2189064		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	24.90	0	102	69.1	142	2.21	20	
Surr: BFB	1100		996.0		111	77.4	118	0	0	

Qualifiers:

- *

Value exceeds Maximum Contaminant Level.
- D

Sample Diluted Due to Matrix
- H

Holding times for preparation or analysis exceeded
- ND

Not Detected at the Reporting Limit
- PQL

Practical Quantitative 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 Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 1910D20

31-Oct-19

Client: Safety & Environmental Solutions**Project:** Custom Select Big Cat

Sample ID: MB-48366	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 48366	RunNo: 63981								
Prep Date: 10/24/2019	Analysis Date: 10/25/2019	SeqNo: 2188874 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.96		1.000		96.1	80	120			

Sample ID: LCS-48366	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 48366	RunNo: 63981								
Prep Date: 10/24/2019	Analysis Date: 10/25/2019	SeqNo: 2188875 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	1.000	0	88.4	80	120			
Toluene	0.92	0.050	1.000	0	91.9	80	120			
Ethylbenzene	0.92	0.050	1.000	0	91.6	80	120			
Xylenes, Total	2.7	0.10	3.000	0	91.2	80	120			
Surr: 4-Bromofluorobenzene	0.96		1.000		95.7	80	120			

Sample ID: MB-48361	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 48361	RunNo: 63980								
Prep Date: 10/24/2019	Analysis Date: 10/25/2019	SeqNo: 2188953 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.92		1.000		91.7	80	120			

Sample ID: LCS-48361	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 48361	RunNo: 63980								
Prep Date: 10/24/2019	Analysis Date: 10/25/2019	SeqNo: 2188954 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000		102	80	120			

Sample ID: MB-48375	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 48375	RunNo: 63980								
Prep Date: 10/24/2019	Analysis Date: 10/25/2019	SeqNo: 2188976 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								

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 Quantitative 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 Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 1910D20

31-Oct-19

Client: Safety & Environmental Solutions**Project:** Custom Select Big Cat

Sample ID: MB-48375	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 48375	RunNo: 63980								
Prep Date: 10/24/2019	Analysis Date: 10/25/2019	SeqNo: 2188976 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.89		1.000		88.7	80	120			

Sample ID: LCS-48375	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 48375	RunNo: 63980								
Prep Date: 10/24/2019	Analysis Date: 10/25/2019	SeqNo: 2188977 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	1.000	0	90.4	80	120			
Toluene	0.98	0.050	1.000	0	97.9	80	120			
Ethylbenzene	0.98	0.050	1.000	0	97.9	80	120			
Xylenes, Total	3.0	0.10	3.000	0	99.4	80	120			
Surr: 4-Bromofluorobenzene	0.96		1.000		95.8	80	120			

Sample ID: 1910D20-008AMS	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: TT-2 1FT	Batch ID: 48375	RunNo: 63980								
Prep Date: 10/24/2019	Analysis Date: 10/26/2019	SeqNo: 2188980 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	0.9823	0	102	76	123			
Toluene	1.0	0.049	0.9823	0.009537	106	80.3	127			
Ethylbenzene	1.1	0.049	0.9823	0	109	80.2	131			
Xylenes, Total	3.2	0.098	2.947	0.01426	108	78	133			
Surr: 4-Bromofluorobenzene	1.0		0.9823		103	80	120			

Sample ID: 1910D20-008AMSD	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: TT-2 1FT	Batch ID: 48375	RunNo: 63980								
Prep Date: 10/24/2019	Analysis Date: 10/26/2019	SeqNo: 2188981 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.024	0.9560	0	93.3	76	123	11.1	20	
Toluene	0.94	0.048	0.9560	0.009537	97.1	80.3	127	11.2	20	
Ethylbenzene	0.94	0.048	0.9560	0	98.8	80.2	131	12.2	20	
Xylenes, Total	2.9	0.096	2.868	0.01426	98.9	78	133	11.5	20	
Surr: 4-Bromofluorobenzene	0.89		0.9560		93.5	80	120	0	0	

Sample ID: MB-48395	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 48395	RunNo: 63988								
Prep Date: 10/25/2019	Analysis Date: 10/26/2019	SeqNo: 2189088 Units: mg/Kg								
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 Quantitative 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 Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 1910D20

31-Oct-19

Client: Safety & Environmental Solutions**Project:** Custom Select Big Cat

Sample ID: MB-48395	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 48395	RunNo: 63988								
Prep Date: 10/25/2019	Analysis Date: 10/26/2019	SeqNo: 2189088 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.93		1.000		92.9	80	120			

Sample ID: LCS-48395	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 48395	RunNo: 63988								
Prep Date: 10/25/2019	Analysis Date: 10/26/2019	SeqNo: 2189089 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	91.0	80	120			
Toluene	0.94	0.050	1.000	0	94.1	80	120			
Ethylbenzene	0.94	0.050	1.000	0	94.4	80	120			
Xylenes, Total	2.8	0.10	3.000	0	92.4	80	120			
Surr: 4-Bromofluorobenzene	0.94		1.000		93.6	80	120			

Sample ID: 1910D20-057AMS	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: SP-1 East Wall	Batch ID: 48395	RunNo: 63988								
Prep Date: 10/25/2019	Analysis Date: 10/26/2019	SeqNo: 2189092 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.86	0.023	0.9259	0.01033	91.2	76	123			
Toluene	0.89	0.046	0.9259	0.009502	95.3	80.3	127			
Ethylbenzene	0.90	0.046	0.9259	0.01072	96.2	80.2	131			
Xylenes, Total	2.7	0.093	2.778	0.03006	95.4	78	133			
Surr: 4-Bromofluorobenzene	0.89		0.9259		95.7	80	120			

Sample ID: 1910D20-057AMSD	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: SP-1 East Wall	Batch ID: 48395	RunNo: 63988								
Prep Date: 10/25/2019	Analysis Date: 10/26/2019	SeqNo: 2189093 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	0.9852	0.01033	91.4	76	123	6.29	20	
Toluene	0.94	0.049	0.9852	0.009502	94.6	80.3	127	5.40	20	
Ethylbenzene	0.94	0.049	0.9852	0.01072	94.3	80.2	131	4.11	20	
Xylenes, Total	2.8	0.099	2.956	0.03006	95.2	78	133	5.94	20	
Surr: 4-Bromofluorobenzene	0.98		0.9852		99.4	80	120	0	0	

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative 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 Limit



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

Sample Log-In Check List

Client Name: **Safety Env Solutions**Work Order Number: **1910D20**

RcptNo: 1

Received By: *Suan Rojas*

10/24/2019 9:15:00 AM

Completed By: **Leah Baca**

10/24/2019 11:31:35 AM

Reviewed By: *LB*

10/24/19

Leah Baca

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. 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 $>0^{\circ}\text{C}$ 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 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 broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted? _____

Checked by: *ENM 10/24/19*

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☒ No ☐ NA ☒

Person Notified: Jerry Date 10/24/19
By Whom: Erin Melendrez Via: ☐ eMail ☒ Phone ☐ Fax ☐ In Person
Regarding: Missing -004.
Client Instructions: PROCEED without -004.

16. Additional remarks:

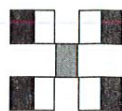
-ENM 10/24/19

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.1	Good	Yes			
2	2.3	Good	Yes			
3	1.4	Good	Yes			

Chain-of-Custody Record

Client: <u>Softing Environmental</u>		Turn-Around Time: <u>5 Day Rush</u>	
Solutions		<input type="checkbox"/> Standard <input type="checkbox"/> Rush	
Mailing Address: <u>703 E. CLINTON</u>		Project Name: <u>CUSTOM</u>	
<u>Hobbs N.M. 88260</u>		<u>SELECT BIG CAT</u>	
Phone #: <u>575-397-0510</u>		Project #: <u>CUS-19-002</u>	
email or Fax#:		Project Manager: <u>Allen Bob.</u>	
QA/QC Package: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Level 4 (Full Validation)		Sampler: <u>Sam Jones</u>	
Accreditation <input type="checkbox"/> NELAP <input type="checkbox"/> Other		On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<input type="checkbox"/> EDD (Type)		Sample Temperature: <u>23-0.2 = 2.1</u>	
Date	Time	Matrix	Sample Request ID
10/22	0810	S	TT-1 Surface
	0830		TT-1 1ft
	0845		TT-1 2ft
	0900		TT-1 3ft
	0920		TT-1 4ft
	0945		TT-1 5ft
	1000		TT-2 Surface
	1005		TT-2 1ft
	1015		TT-2 2ft
	1030		TT-2 3ft
	1050		TT-2 4ft
	1110		TT-3 Surface
Date:	Time:	Relinquished by:	
10/23/19	1600	<u>Sam Jones</u>	
Date:	Time:	Relinquished by:	
10/23/19	1900	<u>Sam Jones</u>	


**HALL ENVIRONMENTAL
ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

BTEX + MTBE + TMB's (8021)	<input checked="" type="checkbox"/>
BTEX + MTBE + TPH (Gas only)	<input checked="" type="checkbox"/>
TPH 8015B (GRO / DRO / MRO)	<input checked="" type="checkbox"/>
TPH (Method 418.1)	<input checked="" type="checkbox"/>
EDB (Method 504.1)	<input checked="" type="checkbox"/>
PAH's (8310 or 8270 SIMS)	<input checked="" type="checkbox"/>
RCRA 8 Metals	<input checked="" type="checkbox"/>
Anions (F, Cl, NO ₃ , NO ₂ , PO ₄ , SO ₄)	<input checked="" type="checkbox"/>
8081 Pesticides / 8082 PCB's	<input checked="" type="checkbox"/>
8260B (VOA)	<input checked="" type="checkbox"/>
8270 (Semi-VOA)	<input checked="" type="checkbox"/>
Air Bubbles (Y or N)	<input checked="" type="checkbox"/>

Remarks:

Analyzed until 1700 on 10/23/19

Chain-of-Custody Record

Client: Sifert Environmental SolutionsMailing Address: 703 E ClintonAlbuquerque NM 87240Phone #: 575-397-0570

email or Fax#:

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation

☐ NELAP ☐ Other☐ EDD (Type)

Turn-Around Time:

5 Day Rush
☐ Standard ☐ RushProject Name: CustomerStreet Big Cat

Project #:

CUS-19-002

Project Manager:

Allen, Rob

Sampler:

Sam JanyOn Ice: ☒ Yes ☐ NoSample Temperature: 2-3-0.2 = 2.1

Container Type and #

Preservative Type

HEAL No.

1910D20

-013

-014

-015

-016

-017

-018

-019

-020

-021

-022

-023

-024

Date

Time

10/23/19

1630

Received by:

Date

Time

10/23/19

1630

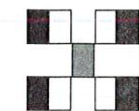
Relinquished by:

Date

Time

10/23/19

1900

HALL ENVIRONMENTAL
ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

BTEX + MTBE + TMBs (8021)

BTEX + MTBE + TPH (Gas only)

TPH 8015B (GRO / DRO / MRO)

TPH (Method 418.1)

EDB (Method 504.1)

PAHs (8310 or 8270 SIMS)

RCRA 8 Metals

Anions (F, Cl, NO₃, NO₂, PO₄, SO₄)

8081 Pesticides / 8082 PCBs

8260B (VOA)

8270 (Semi-VOA)

Air Bubbles (Y or N)

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

Remarks:

Analyzed what is crossed

Chain-of-Custody Record

Client: <u>Safety & Environmental</u> <u>Solution</u>	Turn-Around Time: <input type="checkbox"/> Standard <input type="checkbox"/> Rush
Mailing Address: <u>703 E. Clinton</u> <u>Bohls NM 88240</u>	Project Name: <u>CUSTON</u> <u>SELEC Bu Car</u>
Phone #: <u>575-397</u>	Project #: <u>CUS-19-002</u>
email or Fax#:	Project Manager: <u>Allen, Rob</u>
QA/QC Package: <input type="checkbox"/> Standard <input type="checkbox"/> Level 4 (Full Validation)	Sampler: <u>Steve Jern</u>
Accreditation <input type="checkbox"/> NELAP <input type="checkbox"/> Other	On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> EDD (Type)	Sample Temperature: <u>23-0.2 = 2.1</u>
	Container Type and #
	Preservative Type
	HEAL No.

Date	Time	Matrix	Sample Request ID
10/23	1305	5	PI-5 4fr
	1310		PI-6 Surface
	1315		PI-6 1fr
	1325		PI-6 2fr
	1335		PI-6 3fr
	1345		PI-6 4fr
	1350		PI-7 Surface
	1400		PI-7 1fr
	1410		PI-7 2fr
	1415		PI-7 3fr
	1420		PI-7 4fr
	1425		PI-8 Surface

Date: <u>12/23/19</u>	Time: <u>1600</u>	Relinquished by: <u>Steve Jern</u>	Received by: <u>[Signature]</u>	Date: <u>10/23/19</u>	Time: <u>1530</u>
Date: <u>10/23/19</u>	Time: <u>1940</u>	Relinquished by: <u>[Signature]</u>	Received by: <u>[Signature]</u>	Date: <u>10/24/19</u>	Time: <u>9:15</u>

Analysis Request

BTEX + MTBE + TMBs (8021)	<input checked="" type="checkbox"/>
BTEX + MTBE + TPH (Gas only)	<input checked="" type="checkbox"/>
TPH 8015B (GRO / DRO / MRO)	<input checked="" type="checkbox"/>
TPH (Method 418.1)	<input checked="" type="checkbox"/>
EDB (Method 504.1)	<input checked="" type="checkbox"/>
PAHs (8310 or 8270 SIMS)	<input checked="" type="checkbox"/>
RCRA 8 Metals	<input checked="" type="checkbox"/>
Anions (F, Cl, NO ₃ , NO ₂ , PO ₄ , SO ₄)	<input checked="" type="checkbox"/>
8081 Pesticides / 8082 PCBs	<input checked="" type="checkbox"/>
8260B (VOA)	<input checked="" type="checkbox"/>
8270 (Semi-VOA)	<input checked="" type="checkbox"/>
Air Bubbles (Y or N)	<input checked="" type="checkbox"/>

Remarks:

Analyzed while is crossed

