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

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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.

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		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					
	втех	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					
	втех	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)

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			1	1	250		1			
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		

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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

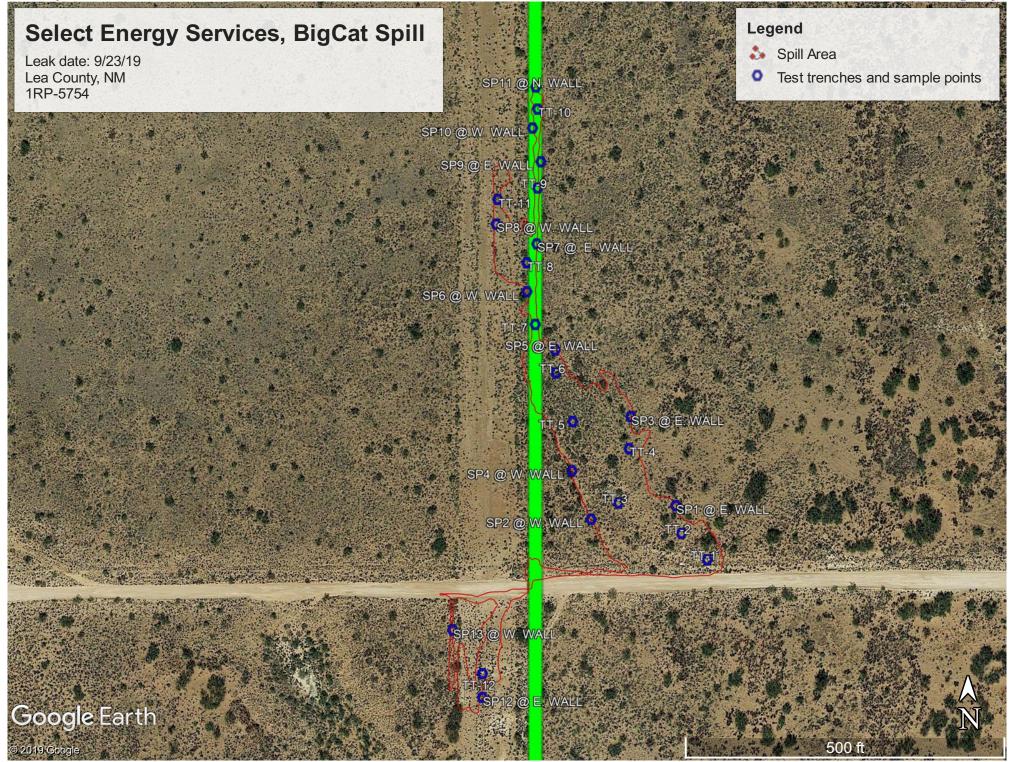
Figure 1 – Site Map

Appendix A – Site Photographs

Appendix B – C-141

Appendix C – Analytical

Figure 1 Site Map



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Appendix A C-141 Form C-141 Page 6

State of New Mexico Oil Conservation Division

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

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.

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 gay 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:						
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:						
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: Date: OCD Only Received by: Cristina Eads Date: D						
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: Telephone: Telephone: Date: OCD Only Received by: Cristina Eads Date: Date: O2/27/2020						
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: Telephone: Telephone: Date: OCD Only Received by: Cristina Eads Date: Date: O2/27/2020						
OCD Only Received by: Cristina Eads Date: 02/27/2020						
OCD Only Received by: Cristina Eads Date: 02/27/2020						
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						

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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

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,

Andy Freeman

Laboratory Manager

Only

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Project: Custom Select Big Cat

Lab ID: 1910D20-001

Client Sample ID: TT-1 Surface

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

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 ORG	ANICS				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

Matrix: SOIL

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Custom Select Big Cat

Lab ID: 1910D20-002

Project:

Client Sample ID: TT-1 1 FT

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

Matrix: SOIL

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Project: Custom Select Big Cat

Lab ID: 1910D20-003

Client Sample ID: TT-1 2 FT

Collection Date: 10/22/2019 8:45:00 AM

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

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

Matrix: SOIL

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Project: Custom Select Big Cat

Lab ID: 1910D20-005

Client Sample ID: TT-1 4 FT

Collection Date: 10/22/2019 9:20:00 AM **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
 1000
 60
 mg/Kg
 20
 10/28/2019 3:21:26 PM
 48411

Matrix: SOIL

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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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 Qu	ual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analy	st: MRA
Chloride	120	60	mg/Kg	20	10/28/2019 3:33:51 P	M 48411

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Project: Custom Select Big Cat

Lab ID: 1910D20-007

Client Sample ID: TT-2 Surface

Collection Date: 10/22/2019 10:00:00 AM **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 ORG	SANICS				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

Matrix: SOIL

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Custom Select Big Cat

Lab ID: 1910D20-008

Project:

Client Sample ID: TT-2 1FT

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

Matrix: SOIL

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab Order 1910D20

Hall Environmental Analysis Laboratory, Inc. Date Reported: 10/31/2019

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 Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analy	/st: MRA
Chloride	170	60	mg/Kg	20	10/28/2019 4:35:54 F	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.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab Order 1910D20

Client Sample ID: TT-2 3FT

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

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Project: Custom Select Big Cat

Lab ID: 1910D20-010 **Matrix:** SOIL **Received Date:** 10/24/2019 9:15:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analy	st: MRA
Chloride	260	60	mg/Kg	20	10/28/2019 5:13:08 P	M 48411

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab Order **1910D20**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/31/2019

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
 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
 10/28/2019 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.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions Custom Select Big Cat

Lab ID: 1910D20-012

Project:

Matrix: SOIL

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

Client Sample ID: TT-3 Surface

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 ORG	ANICS				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.
- D Sample Diluted Due to Matrix
- Η Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix

- Analyte detected in the associated Method Blank
- Value above quantitation range
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL

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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 ORG	SANICS				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.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Project: Custom Select Big Cat

Lab ID: 1910D20-014

Client Sample ID: TT-3 2FT

Collection Date: 10/22/2019 11:30:00 AM

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

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

Matrix: SOIL

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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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 Qu	ual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Anal	yst: CAS
Chloride	250	60	mg/Kg	20	10/28/2019 11:53:55	5 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.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Project: Custom Select Big Cat

Lab ID: 1910D20-016

Client Sample ID: TT-3 4FT

Collection Date: 10/22/2019 11:55:00 AM Received Date: 10/24/2019 9:15:00 AM

 Analyses
 Result
 RL
 Qual
 Units
 DF
 Date Analyzed
 Batch

 EPA METHOD 300.0: ANIONS
 The properties of the properties

Matrix: SOIL

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limi

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Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Custom Select Big Cat

Lab ID: 1910D20-017

Project:

Matrix: SOIL

Client Sample ID: TT-4 Surface Collection Date: 10/22/2019 12:10:00 PM

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 ORG	ANICS				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.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Project: Custom Select Big Cat

Lab ID: 1910D20-018

Client Sample ID: TT-4 1FT

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

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 ORG	ANICS				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

Matrix: SOIL

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: TT-4 2FT

CLIENT: Safety & Environmental SolutionsProject: Custom Select Big Cat

Collection Date: 10/22/2019 12:20:00 PM

Project: Custom Select Big Cat **Lab ID:** 1910D20-019

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

Analyses	Result	RL Qu	ıal Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analy	st: CAS
Chloride	730	60	mg/Kg	20	10/29/2019 1:07:57 A	M 48429

Matrix: SOIL

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limi

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Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Project: Custom Select Big Cat

Lab ID: 1910D20-020

Client Sample ID: TT-4 3FT

Collection Date: 10/22/2019 12:30:00 PM

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

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

Matrix: SOIL

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limi

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Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Custom Select Big Cat

Lab ID: 1910D20-021

Project:

Client Sample ID: TT-5 Surface

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

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 ORG	ANICS				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

Matrix: SOIL

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Project: Custom Select Big Cat

Lab ID: 1910D20-022

Client Sample ID: TT-5 1FT

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

Matrix: SOIL

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: TT-5 2FT

CLIENT: Safety & Environmental Solutions **Project:** Custom Select Big Cat Collection Date: 10/22/2019 12:50:00 PM

Lab ID: 1910D20-023 Matrix: SOIL Received Date: 10/24/2019 9:15:00 AM

Analyses	Result	RL Qu	ial Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analy	st: CAS
Chloride	670	60	mg/Kg	20	10/29/2019 1:57:18 A	M 48429

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Η Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix

Analyte detected in the associated Method Blank

Value above quantitation range

Analyte detected below quantitation limits

Sample pH Not In Range

RL

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Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Project: Custom Select Big Cat

Lab ID: 1910D20-024

Client Sample ID: TT-5 3FT

Collection Date: 10/22/2019 12:55:00 PM

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

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

Matrix: SOIL

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Project: Custom Select Big Cat

Lab ID: 1910D20-025

Client Sample ID: TT-5 4FT

Collection Date: 10/22/2019 1:05:00 PM **Received Date:** 10/24/2019 9:15:00 AM

 Analyses
 Result
 RL
 Qual
 Units
 DF
 Date Analyzed
 Batch

 EPA METHOD 300.0: ANIONS
 Chloride
 ND
 60
 mg/Kg
 20
 10/29/2019 2:21:59 AM
 48429

Matrix: SOIL

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions Custom Select Big Cat

Lab ID: 1910D20-026

Project:

Matrix: SOIL

Client Sample ID: TT-6 Surface Collection Date: 10/22/2019 1:10:00 PM

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 ORG	ANICS				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.
- D Sample Diluted Due to Matrix
- Η Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix

- Analyte detected in the associated Method Blank
- Value above quantitation range
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL

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Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Custom Select Big Cat

Lab ID: 1910D20-027

Project:

Client Sample ID: TT-6 1FT

Collection Date: 10/22/2019 1:15:00 PM **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 ORG	SANICS				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

Matrix: SOIL

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Project: Custom Select Big Cat

Lab ID: 1910D20-028

Client Sample ID: TT-6 2FT

Collection Date: 10/22/2019 1:25:00 PM

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

Analyses	Result	RL Qu	ıal Units	DF Date Analyzed	Batch
EPA METHOD 300.0: ANIONS				Ar	nalyst: CAS
Chloride	310	60	mg/Kg	20 10/29/2019 3:23:4	42 AM 48429

Matrix: SOIL

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Project: Custom Select Big Cat

Lab ID: 1910D20-029

Client Sample ID: TT-6 3FT

Collection Date: 10/22/2019 1:35:00 PM

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

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

Matrix: SOIL

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limi

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Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Project: Custom Select Big Cat

Lab ID: 1910D20-030

Client Sample ID: TT-6 4FT

Collection Date: 10/22/2019 1:45:00 PM

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

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

Matrix: SOIL

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limi

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Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Project: Custom Select Big Cat

Lab ID: 1910D20-031

Client Sample ID: TT-7 Surface

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

Matrix: SOIL

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab Order 1910D20

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/31/2019

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 ORG	SANICS				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.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Project: Custom Select Big Cat

Lab ID: 1910D20-033

Client Sample ID: TT-7 2FT

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

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

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

Matrix: SOIL

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limi

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Lab Order **1910D20**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/31/2019

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
 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.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Lab Order 1910D20

Client Sample ID: TT-7 4FT

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Project: Custom Select Big Cat Collection Date: 10/22/2019 2:20:00 PM

Lab ID: 1910D20-035 **Matrix:** SOIL **Received Date:** 10/24/2019 9:15:00 AM

Analyses	Result	RL Qu	ial Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analy	st: MRA
Chloride	110	60	mg/Kg	20	10/29/2019 4:21:52 F	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.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Custom Select Big Cat

Lab ID: 1910D20-036

Project:

Client Sample ID: TT-8 Surface

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

Matrix: SOIL

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Project: Custom Select Big Cat

Lab ID: 1910D20-037

Client Sample ID: TT-8 1FT

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

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 ORG	SANICS				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

Matrix: SOIL

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab 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
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 Date Analyzed
 Batch

 EPA METHOD 300.0: ANIONS
 Chloride
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Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limi

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Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Project: Custom Select Big Cat

Lab ID: 1910D20-039

Client Sample ID: TT-8 3FT

Collection Date: 10/22/2019 2:45:00 PM

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

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

Matrix: SOIL

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limi

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Lab Order 1910D20

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/31/2019

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

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

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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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 ORG	ANICS				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.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Project: Custom Select Big Cat

Lab ID: 1910D20-042

Client Sample ID: TT-9 1FT

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

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 ORG	SANICS				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

Matrix: SOIL

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab Order 1910D20

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/31/2019

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 Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analy	st: CJS
Chloride	150	60	mg/Kg	20	10/29/2019 3:14:06 P	M 48448

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Lab Order **1910D20**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/31/2019

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 Qu	ial Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analy	st: CJS
Chloride	170	60	mg/Kg	20	10/29/2019 3:26:27 F	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.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab 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 E

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Project: Custom Select Big Cat

Lab ID: 1910D20-046

Client Sample ID: TT-10 Surface

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

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 ORG	SANICS				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

Matrix: SOIL

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Project: Custom Select Big Cat

Lab ID: 1910D20-047

Client Sample ID: TT-10 1FT

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

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 ORG	SANICS				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

Matrix: SOIL

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

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 Qu	ial Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analy	st: CJS
Chloride	130	60	mg/Kg	20	10/29/2019 4:40:29 F	M 48448

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Η Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix

- Analyte detected in the associated Method Blank
- Value above quantitation range
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL

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Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Project: Custom Select Big Cat

Lab ID: 1910D20-049

Client Sample ID: TT-10 3FT

Collection Date: 10/23/2019 9:35:00 AM

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

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

Matrix: SOIL

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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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 Qu	ual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	st: CJS
Chloride	130	60	mg/Kg	20	10/29/2019 5:05:09 P	M 48448

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Project: Custom Select Big Cat

Lab ID: 1910D20-051

Client Sample ID: TT-11 4FT

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

Matrix: SOIL

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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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 ORG	SANICS					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.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Project:

Analytical Report Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions Custom Select Big Cat

Lab ID:

1910D20-053

Client Sample ID: TT-12 1FT

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

Matrix: SOIL

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Η Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix

- Analyte detected in the associated Method Blank
- Value above quantitation range
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL

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Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: TT-12 2FT

CLIENT: Safety & Environmental Solutions **Project:** Custom Select Big Cat Collection Date: 10/23/2019 10:30:00 AM

Lab ID: 1910D20-054 Matrix: SOIL Received Date: 10/24/2019 9:15:00 AM

Analyses	Result	RL Qu	ial Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analy	st: MRA
Chloride	300	60	mg/Kg	20	10/29/2019 7:52:50 F	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.
- D Sample Diluted Due to Matrix
- Η Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix

- Analyte detected in the associated Method Blank
- Value above quantitation range
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL

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Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

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

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

Matrix: SOIL

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab Order 1910D20

Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Project: Custom Select Big Cat

Lab ID: 1910D20-056

Client Sample ID: TT-12 4FT

Collection Date: 10/23/2019 10:50:00 AM

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

Analyses	Result	RL Qu	ıal Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	st: MRA
Chloride	120	60	mg/Kg	20	10/29/2019 8:17:39 P	M 48465

Matrix: SOIL

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limi

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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 ORG	ANICS					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.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions Custom Select Big Cat

Lab ID: 1910D20-058

Project:

Matrix: SOIL

Collection Date: 10/23/2019 11:25:00 AM Received Date: 10/24/2019 9:15:00 AM

Client Sample ID: SP-2 West Wall

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 OF	RGANICS					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.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix

- Analyte detected in the associated Method Blank
- Value above quantitation range
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL

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Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Project: Custom Select Big Cat

Lab ID: 1910D20-059

Client Sample ID: SP-3 East Wall

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

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 ORG	ANICS					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

Matrix: SOIL

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Custom Select Big Cat

Lab ID: 1910D20-060

Project:

Matrix: SOIL

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

Client Sample ID: SP-4 West Wall

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed Batch	h
EPA METHOD 300.0: ANIONS						Analyst: MRA	
Chloride	ND	60		mg/Kg	20	10/29/2019 9:32:08 PM 48465	5
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS					Analyst: BRM	i
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/29/2019 4:28:10 PM 48402	2
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/29/2019 4:28:10 PM 48402	2
Surr: DNOP	63.0	70-130	S	%Rec	1	10/29/2019 4:28:10 PM 48402	2
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	5
Surr: BFB	94.7	77.4-118		%Rec	1	10/26/2019 10:59:59 PM 48395	5
EPA METHOD 8021B: VOLATILES						Analyst: NSB	
Benzene	ND	0.024		mg/Kg	1	10/26/2019 10:59:59 PM 48395	5
Toluene	ND	0.047		mg/Kg	1	10/26/2019 10:59:59 PM 48395	5
Ethylbenzene	ND	0.047		mg/Kg	1	10/26/2019 10:59:59 PM 48395	5
Xylenes, Total	ND	0.095		mg/Kg	1	10/26/2019 10:59:59 PM 48395	5
Surr: 4-Bromofluorobenzene	90.7	80-120		%Rec	1	10/26/2019 10:59:59 PM 48395	5

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Custom Select Big Cat

Lab ID: 1910D20-061

Project:

Client Sample ID: SP-5 East Wall

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

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed I	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 ORG	SANICS					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: I	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

Matrix: SOIL

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Analytical Report

Lab Order **1910D20**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/31/2019

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 ORG	GANICS					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.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Project: Custom Select Big Cat

Lab ID: 1910D20-063

Client Sample ID: SP-7 East Wall

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

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 ORG	ANICS				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

Matrix: SOIL

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Project: Custom Select Big Cat

Lab ID: 1910D20-064

Client Sample ID: SP-8 West Wall

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

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 ORG	SANICS				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

Matrix: SOIL

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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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 ORG	ANICS				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.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Custom Select Big Cat

Lab ID: 1910D20-066

Project:

Client Sample ID: SP-10 West Wall

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

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 ORG	ANICS				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

Matrix: SOIL

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Project: Custom Select Big Cat

Lab ID: 1910D20-067

Client Sample ID: SP-11 North Wall

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

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 ORG	ANICS				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

Matrix: SOIL

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 10/31/2019

10/27/2019 1:51:11 AM 48395

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions Custom Select Big Cat

Lab ID: 1910D20-068

Surr: 4-Bromofluorobenzene

Project:

Matrix: SOIL

Collection Date: 10/23/2019 1:20:00 PM Received Date: 10/24/2019 9:15:00 AM

Client Sample ID: SP-12 East Wall

Result **RL Qual Units DF** Date Analyzed **Batch** Analyses **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) 8.7 10/29/2019 8:07:32 PM 48402 mg/Kg Motor Oil Range Organics (MRO) ND mg/Kg 10/29/2019 8:07:32 PM 48402 43 1 10/29/2019 8:07:32 PM 48402 Surr: DNOP 74.4 70-130 %Rec **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 4.6 10/27/2019 1:51:11 AM 48395 mg/Kg Surr: BFB 93.7 77.4-118 %Rec 10/27/2019 1:51:11 AM 48395 **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.023 10/27/2019 1:51:11 AM 48395 mg/Kg Toluene ND 0.046 10/27/2019 1:51:11 AM 48395 mg/Kg Ethylbenzene ND 0.046 10/27/2019 1:51:11 AM 48395 mg/Kg 1 Xylenes, Total ND 0.092 10/27/2019 1:51:11 AM 48395 mg/Kg 1

89.7

80-120

%Rec

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- POL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix

- Analyte detected in the associated Method Blank
- Value above quantitation range
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL

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Date Reported: 10/31/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions Custom Select Big Cat

Lab ID: 1910D20-069

Project:

Matrix: SOIL

Collection Date: 10/23/2019 1:38:00 PM Received Date: 10/24/2019 9:15:00 AM

Client Sample ID: SP-13 West Wal

Analyses	Result	RL	Qual Units	DF	Date Analyzed Ba	atch
EPA METHOD 300.0: ANIONS					Analyst: M	IRA
Chloride	ND	60	mg/Kg	20	10/29/2019 11:48:38 PM 48	8465
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst: BI	RM
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	10/29/2019 8:31:50 PM 48	8402
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	10/29/2019 8:31:50 PM 48	8402
Surr: DNOP	73.3	70-130	%Rec	1	10/29/2019 8:31:50 PM 48	8402
EPA METHOD 8015D: GASOLINE RANGE					Analyst: N	SB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	10/27/2019 2:14:15 AM 48	8395
Surr: BFB	95.6	77.4-118	%Rec	1	10/27/2019 2:14:15 AM 48	8395
EPA METHOD 8021B: VOLATILES					Analyst: N	SB
Benzene	ND	0.024	mg/Kg	1	10/27/2019 2:14:15 AM 48	8395
Toluene	ND	0.049	mg/Kg	1	10/27/2019 2:14:15 AM 48	8395
Ethylbenzene	ND	0.049	mg/Kg	1	10/27/2019 2:14:15 AM 48	8395
Xylenes, Total	ND	0.097	mg/Kg	1	10/27/2019 2:14:15 AM 48	8395
Surr: 4-Bromofluorobenzene	89.0	80-120	%Rec	1	10/27/2019 2:14:15 AM 48	8395

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Η Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix

- Analyte detected in the associated Method Blank
- Value above quantitation range
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL

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Hall Environmental Analysis Laboratory, Inc.

1910D20 31-Oct-19

Client:

Safety & Environmental Solutions

Project:

Custom Select Big Cat

Sample ID:	MB-48429
------------	----------

Prep Date: 10/28/2019

SampType: mblk

PQL

TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 48429

RunNo: 64032

Analysis Date: 10/28/2019 SeqNo: 2190557 Units: mg/Kg

Analyte

Result

SPK value SPK Ref Val %REC LowLimit

HighLimit

%RPD **RPDLimit**

WO#:

Qual

Chloride

ND 1.5

Sample ID: LCS-48429

SampType: Ics

TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 48429

RunNo: 64032

SeqNo: 2190558 Units: mg/Kg

Prep Date: 10/28/2019

Analysis Date: 10/28/2019

15

Analyte

Client ID:

Result **PQL**

SPK value SPK Ref Val

%REC LowLimit

HighLimit

Qual

Chloride

1.5 15.00

98.4

SeqNo: 2190880

90 110 **RPDLimit**

Sample ID: MB-48411 PBS

SampType: mblk

Batch ID: 48411

RunNo: 64043

Units: mg/Kg

Analyte

Prep Date: 10/28/2019

Analysis Date: 10/28/2019

Result

ND

SPK value SPK Ref Val %REC LowLimit

TestCode: EPA Method 300.0: Anions

HighLimit %RPD

%RPD

RPDLimit

Qual

Chloride

SampType: Ics

1.5

TestCode: EPA Method 300.0: Anions

Client ID:

LCSS

Sample ID: LCS-48411

Batch ID: 48411

PQL

RunNo: 64043

%REC

Prep Date: 10/28/2019 Analysis Date: 10/28/2019

SeqNo: 2190881

Units: mg/Kg

Analyte Chloride

1.5

93.6

HighLimit

RPDLimit

Qual

Sample ID: MB-48447

PBS

SampType: mblk

Result

ND

15

Result

TestCode: EPA Method 300.0: Anions

RunNo: 64052

LowLimit

%RPD

Client ID:

Prep Date: 10/29/2019

Batch ID: 48447 Analysis Date: 10/29/2019

SeqNo: 2191796

Units: mg/Kg

Analyte Chloride

Client ID:

Prep Date:

PQL 1.5

SPK value SPK Ref Val

15.00

SPK value SPK Ref Val %REC LowLimit

HighLimit

%RPD

RPDLimit Qual

Sample ID: LCS-48447

LCSS

10/29/2019

SampType: Ics

TestCode: EPA Method 300.0: Anions

RunNo: 64052

Analyte Chloride

Analysis Date: 10/29/2019

1.5

Batch ID: 48447

SPK value SPK Ref Val %REC LowLimit 15.00

98.0

SeqNo: 2191797

HighLimit

Units: mg/Kg

110

%RPD

RPDLimit Qual

Qualifiers: Value exceeds Maximum Contaminant Level

Sample Diluted Due to Matrix Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

Practical Quanitative Limit % Recovery outside of range due to dilution or matrix

Analyte detected in the associated Method Blank Value above quantitation range

Analyte detected below quantitation limits Sample pH Not In Range Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

1910D20 31-Oct-19

Client:

Safety & Environmental Solutions

Project:

Custom Select Big Cat

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 LowLimit

Analyte

PQL SPK value SPK Ref Val %REC

60

%RPD **RPDLimit** Qual

WO#:

Chloride

Result ND

30.00

0 54.5 140 0

20 S

Sample ID: MB-48465

SampType: mblk

TestCode: EPA Method 300.0: Anions

10/29/2019

PBS

Batch ID: 48465

RunNo: 64052

HighLimit

Client ID: Prep Date:

Analysis Date: 10/29/2019

SeqNo: 2191832

Units: mg/Kg

Analyte

PQL

ND 1.5

SPK value SPK Ref Val %REC LowLimit

LowLimit

HighLimit %RPD **RPDLimit** Qual

Chloride

Result

SampType: Ics

TestCode: EPA Method 300.0: Anions

RunNo: 64052

Prep Date: 10/29/2019

Sample ID: LCS-48465

Client ID: LCSS

Batch ID: 48465 Analysis Date: 10/29/2019

1.5

SeqNo: 2191833

Units: mg/Kg

Analyte

Result PQL 14

Result

Result

15

ND

SPK value SPK Ref Val %REC

15.00

96.5

HighLimit 110 %RPD **RPDLimit** Qual

Chloride

Sample ID: MB-48448

10/29/2019

SampType: mblk

TestCode: EPA Method 300.0: Anions

Client ID:

PBS

Batch ID: 48448 Analysis Date: 10/29/2019

RunNo: 64051

Units: mg/Kg

RPDLimit

Analyte Chloride

SPK value SPK Ref Val %REC LowLimit **PQL** 1.5

HighLimit

%RPD

Qual

Qual

Client ID:

Prep Date:

Prep Date:

Sample ID: LCS-48448

SampType: Ics

TestCode: EPA Method 300.0: Anions

RunNo: 64051

SeqNo: 2191980

Units: mg/Kg

Analyte

10/29/2019

LCSS

Batch ID: 48448 Analysis Date: 10/29/2019

PQL

SeqNo: 2191981

LowLimit

HighLimit

%RPD

RPDLimit

Chloride

1.5

15.00

SPK value SPK Ref Val %REC

100

110

Qualifiers: Value exceeds Maximum Contaminant Level

Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit

Practical Quanitative Limit % Recovery outside of range due to dilution or matrix Analyte detected in the associated Method Blank

Value above quantitation range

Analyte detected below quantitation limits Sample pH Not In Range Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

1910D20 31-Oct-19

WO#:

Client:

Safety & Environmental Solutions

Project:

Custom Select Big Cat

SampT	ype: MS	3	Test	Code: El	PA Method	8015M/D: Die	esel Range	Organics	
Batch	ID: 48	382	R	tunNo: 64	4029				
Analysis D	ate: 10	/28/2019	S	seqNo: 2	190433	Units: mg/K	(g		
Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
42	9.3	46.34	0	90.8	57	142			
3.8		4.634		81.0	70	130			
	Batch Analysis D Result 42	Batch ID: 48: Analysis Date: 10 Result PQL 42 9.3	Result PQL SPK value 42 9.3 46.34	Batch ID: 48382 R Analysis Date: 10/28/2019 S Result PQL SPK value SPK Ref Val 42 9.3 46.34 0	Batch ID: 48382 RunNo: 6 Analysis Date: 10/28/2019 SeqNo: 2 Result PQL SPK value SPK Ref Val %REC 42 9.3 46.34 0 90.8	Batch ID: 48382 RunNo: 64029 Analysis Date: 10/28/2019 SeqNo: 2190433 Result PQL SPK value SPK Ref Val %REC LowLimit 42 9.3 46.34 0 90.8 57	Batch ID: 48382 RunNo: 64029 Analysis Date: 10/28/2019 SeqNo: 2190433 Units: mg/K Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit 42 9.3 46.34 0 90.8 57 142	Batch ID: 48382 RunNo: 64029 Analysis Date: 10/28/2019 SeqNo: 2190433 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD 42 9.3 46.34 0 90.8 57 142	Batch ID: 48382 RunNo: 64029 Analysis Date: 10/28/2019 SeqNo: 2190433 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit 42 9.3 46.34 0 90.8 57 142

Sample ID: 1910D20-001AMSD	SampT	ype: MS	SD	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: TT-1 Surface	Batch	ID: 48	382	R	RunNo: 6	4029				
Prep Date: 10/25/2019	Analysis D	ate: 10)/28/2019	S	SeqNo: 2	190434	Units: mg/k	(g		
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	SampT	ype: LC	:S	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: LCSS	Batch	n ID: 48	382	F	RunNo: 6	4029				
Prep Date: 10/25/2019	Analysis D	ate: 10)/28/2019	8	SeqNo: 2	190454	Units: mg/K	(g		
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	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batch	n ID: 48	382	F	RunNo: 6	4029				
Prep Date: 10/25/2019	Analysis D	ate: 10)/28/2019	8	SeqNo: 2	190455	Units: mg/K	ζg		
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	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batch	1D: 48 4	402	F	RunNo: 64	4033				
Prep Date: 10/28/2019	Analysis D	ate: 10)/29/2019	8	SeqNo: 2	190864	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	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 Quanitative Limit

% 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

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Hall Environmental Analysis Laboratory, Inc.

1910D20 31-Oct-19

WO#:

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	SampTy	ype: LC	S	Test	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batch	ID: 484	402	R	RunNo: 6	4037				
Prep Date: 10/28/2019	Analysis Da	ate: 10	/29/2019	S	SeqNo: 2	191039	Units: mg/k	(g		
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	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	Organics	
Client ID: PBS	Batch	ID: 48 4	402	R	RunNo: 6	4037				
Prep Date: 10/28/2019	Analysis D	ate: 10)/29/2019	S	SeqNo: 2	191040	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP			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: Dies	sel Range Organics
Client ID: LCSS	Batch ID: 48409	RunNo: 6403	33	
Prep Date: 10/28/2019	Analysis Date: 10/29/2019	SeqNo: 2191	1319 Units: %Rec	
Analyte	Result PQL SPK val	ue SPK Ref Val %REC Lo	owLimit HighLimit	%RPD RPDLimit Qual
Surr: DNOP	4.9 5.00	00 97.7	70 130	_

Sample ID: 1910D20-051AMS	SampTy	/pe: MS	;	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: TT-11 4FT	Batch	ID: 484	402	R	RunNo: 64	4037				
Prep Date: 10/28/2019	Analysis Da	ate: 10	/29/2019	S	SeqNo: 2	192156	Units: mg/k	(g		
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 Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

1910D20 31-Oct-19

Qual

WO#:

Client:

Surr: DNOP

Safety & Environmental Solutions

Project: Custom Select Big Cat

Sample ID: **1910D20-051AMSD**

SampType: MSD

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

130

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	
Diesel Range Organics (DRO)	

Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit
59	9.7	48.36	21.04	77.6	57
4.8		4.836		99.3	70

77.6	57
99.3	70

HighLimit	%RPD	RPDLimit
142	6.34	20

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix

- Analyte detected in the associated Method Blank
- Value above quantitation range
- Analyte detected below quantitation limits
- Sample pH Not In Range
- Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

1910D20 31-Oct-19

WO#:

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: 10/25/20	019	SeqNo: 2188844	Units: mg/Kg				
Analyte	Result PQL SPK	value SPK Ref \	al %REC LowLimit	: HighLimit %RPD	RPDLimit Qual			
Gasoline Range Organics (GRO) Surr: BFB	ND 5.0 960	1000	96.1 77.4	118				
Sample ID: LCS-48366	SampType: LCS	-	estCode: EPA Method	d 8015D: Gasoline Ran	ge			
Client ID: LCSS	Batch ID: 48366		RunNo: 63981					
Prep Date: 10/24/2019	Analysis Date: 10/25/20	019	SeqNo: 2188845	Units: mg/Kg				
Analyte	Result PQL SPK	value SPK Ref \	al %REC LowLimit	: HighLimit %RPD	RPDLimit Qual			
Gasoline Range Organics (GRO) Surr: BFB	25 5.0 1000	25.00 0 1000	99.5 80 103 77.4					
Outr. Di D	1000	1000	100 77.4	110				
Sample ID: MB-48361	SampType: MBLK	-	TestCode: EPA Method	d 8015D: Gasoline Ran	ge			
Client ID: PBS	Batch ID: 48361		RunNo: 63980					
Prep Date: 10/24/2019	Analysis Date: 10/25/20	019	SeqNo: 2188906	Units: %Rec				
Analyte	Result PQL SPK	value SPK Ref \	al %REC LowLimit	: HighLimit %RPD	RPDLimit Qual			
Surr: BFB	860	1000	86.2 77.4	118				
Sample ID: LCS-48361	SampType: LCS	-	estCode: EPA Method	d 8015D: Gasoline Ran	ge			
Client ID: LCSS	Batch ID: 48361		RunNo: 63980					
Prep Date: 10/24/2019	Analysis Date: 10/25/20	019	SeqNo: 2188907	Units: %Rec				
Analyte	Result PQL SPK	value SPK Ref \	al %REC LowLimit	: HighLimit %RPD	RPDLimit Qual			
Surr: BFB	990	1000	99.2 77.4	118				
Sample ID: MB-48375	SampType: MBLK	-	estCode: EPA Method	d 8015D: Gasoline Ran	ge			
Client ID: PBS	Batch ID: 48375		RunNo: 63980					
Prep Date: 10/24/2019	Analysis Date: 10/25/20	019	SeqNo: 2188928	Units: mg/Kg				
Analyte	Result PQL SPK	value SPK Ref \	al %REC LowLimit	: HighLimit %RPD	RPDLimit Qual			

Sample ID: LCS-48375	SampT	ype: LC	s	TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch	ID: 48	375	R	tunNo: 6	3980				
Prep Date: 10/24/2019	Analysis D	ate: 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:

Surr: BFB

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

Gasoline Range Organics (GRO)

ND

830

5.0

1000

- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix

Analyte detected in the associated Method Blank

83.1

77.4

118

- Value above quantitation range
- Analyte detected below quantitation limits
- Sample pH Not In Range
- Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

1910D20 31-Oct-19

WO#:

Client:

Safety & Environmental Solutions

Project: Custom Select Big Cat

Sample ID: 1910D20-007AMS	SampT	уре: М	3	TestCode: EPA Method 8015D: Gasoline Range							
Client ID: TT-2 Surface	Batch	n ID: 48	375	R	tunNo: 6	3980					
Prep Date: 10/24/2019	Analysis D	ate: 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: 1910D20-007AMSI	SampT	ype: MS	SD	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	е	
Client ID: TT-2 Surface	Batch	ID: 48	375	R	RunNo: 6	3980				
Prep Date: 10/24/2019	Analysis D	ate: 10)/25/2019	S	SeqNo: 2	188932	Units: mg/K	g		
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	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	е	
Client ID: PBS	Batch	ID: 48 :	395	R	RunNo: 6	3988				
Prep Date: 10/25/2019	Analysis D	ate: 10)/26/2019	S	SeqNo: 2	189060	Units: mg/K	(g		
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	Sampl	ype: LC	S	l es	tCode: El	PA Method	8015D: Gaso	oline Rang	е	
Client ID: LCSS	Batch	n ID: 48	395	R	RunNo: 6	3988				
Prep Date: 10/25/2019	Analysis D	ate: 10)/26/2019	S	SeqNo: 2	189061	Units: mg/k	ζg		
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	SampT	уре: М \$	3	Test	Code: El	PA Method	8015D: Gaso	line Rang	е	
Client ID: TT-12 1FT	Batch	ID: 48 :	395	R	tunNo: 6	3988				
Prep Date: 10/25/2019	Analysis D	ate: 10)/26/2019	S	seqNo: 2	189063	Units: mg/k	(g		
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: 1910D20-053AMSI	S ampType	: MSD	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	е	
Client ID: TT-12 1FT	Batch ID	: 48395	F	RunNo: 6	3988				
Prep Date: 10/25/2019	Analysis Date	: 10/26/2019	S	SeqNo: 2	189064	Units: mg/K	g		
Analyte	Result F	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

1910D20 31-Oct-19

Qual

WO#:

Client:

Surr: BFB

Safety & Environmental Solutions

Project: Custom Select Big Cat

Sample ID: 1910D20-053AMSD

SampType: MSD

TestCode: EPA Method 8015D: Gasoline Range

HighLimit

Client ID: TT-12 1FT

Batch ID: 48395

RunNo: 63988

%REC

Prep Date: 10/25/2019

Analysis Date: 10/26/2019

SeqNo: 2189064 Units: mg/Kg LowLimit

Gasoline Range Organics (GRO)

Result PQL SPK value SPK Ref Val 25 5.0 1100

24.90

996.0

0 102 111

69.1 77.4 142 2.21 118 0

%RPD

20

RPDLimit

0

Qualifiers:

Value exceeds Maximum Contaminant Level

Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix

Analyte detected in the associated Method Blank

Value above quantitation range

Analyte detected below quantitation limits

Sample pH Not In Range

Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

1910D20 31-Oct-19

WO#:

Client:

Safety & Environmental Solutions

Project: Custom Select Big Cat

Sample ID: MB-48366	SampT	Гуре: МЕ	BLK	Tes	tCode: El	iles				
Client ID: PBS	Batcl	h ID: 48:	366	F	RunNo: 63981					
Prep Date: 10/24/2019	Analysis D	Analysis Date: 10/25/2019			SeqNo: 2	188874	Units: mg/K	ίg		
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	SampT	Type: LC	S	Tes	tCode: EI	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batcl	h ID: 48:	366	F	RunNo: 6	3981				

Campic ID: LOC 40000	Campi) PO. LO	•	100						
Client ID: LCSS	Batch	n ID: 48	366	R	RunNo: 63981					
Prep Date: 10/24/2019	Analysis Date: 10/25/2019			S	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	SampT	ype: Mi	BLK	Test	tCode: El					
Client ID: PBS	Batch	ID: 48	361	R	RunNo: 6	3980				
Prep Date: 10/24/2019	Analysis D	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	SampTyp	oe: LCS	-	TestCode: E	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batch II	D: 48361		RunNo: 6	3980				
Prep Date: 10/24/2019	Analysis Dat	te: 10/25/20	19	SeqNo: 2	188954	Units: %Red	;		
Analyte	Result	PQL SPK	value SPK Ref \	/al %REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000	102	80	120			

Sample ID: MB-48375	Samp1	уре: МЕ	BLK	Tes	tCode: El	iles				
Client ID: PBS	Batcl	h ID: 48:	375	F	RunNo: 6	3980				
Prep Date: 10/24/2019	Analysis D	Date: 10	/25/2019	9	SeqNo: 2	188976	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xvlenes. Total	ND	0.10								

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

31-Oct-19

1910D20

Client:

Safety & Environmental Solutions

Project:

Custom Select Big Cat

SampType: MBLK

TestCode: EPA Method 8021B: Volatiles

Client ID: PBS Batch ID: 48375

RunNo: 63980

Prep Date: 10/24/2019

Sample ID: MB-48375

Analysis Date: 10/25/2019

SeqNo: 2188976 Units: mg/Kg

Result

PQL SPK value SPK Ref Val

%REC LowLimit HighLimit

RPDLimit

RPDLimit

RPDLimit

RPDLimit

20

20

20

20

0

WO#:

Qual

Qual

Qual

Qual

Surr: 4-Bromofluorobenzene

0.89

1.000

88.7

80 120

Sample ID: LCS-48375

0.98

0.98

3.0

0.96

SampType: LCS

RunNo: 63980

TestCode: EPA Method 8021B: Volatiles

%RPD

%RPD

%RPD

Client ID:

LCSS

Batch ID: 48375

90.4

97.9

97.9

99.4

95.8

120

120

Prep Date:

Units: mg/Kg

10/24/2019

Analysis Date: 10/25/2019

SeqNo: 2188977

80

80

Benzene

Analyte

Result PQL SPK value 0.90 0.025 1.000

0.050

0.050

0.10

SPK Ref Val

Λ

0

0

0

%REC LowLimit HighLimit

80 120 80 120 80 120

Toluene Ethylbenzene

Xylenes, Total Surr: 4-Bromofluorobenzene

Sample ID: 1910D20-008AMS

SampType: MS

TestCode: EPA Method 8021B: Volatiles

Client ID: TT-2 1FT

Batch ID: 48375

2.947

0.9823

0.9560

2.868

0.9560

0.01426

0.01426

SPK value SPK Ref Val %REC

1.000

1.000

3.000

1.000

RunNo: 63980

Units: mg/Kg

120

131

133

120

Prep Date:

10/24/2019

Analysis Date: 10/26/2019

SeqNo: 2188980

Analyte Benzene

%REC LowLimit

Result **PQL** SPK value SPK Ref Val HighLimit 1.0 0.025 0.9823 102 76 123 Toluene 1.0 0.049 0.9823 0.009537 106 80.3 127 0.049 0.9823 109 80.2 131 Ethylbenzene 1.1 3.2 0.098 108 78 133

Surr: 4-Bromofluorobenzene

Xylenes, Total

Sample ID: 1910D20-008AMSD

SampType: MSD

TestCode: EPA Method 8021B: Volatiles

Client ID:

TT-2 1FT

Batch ID: 48375

Result

0.89

0.94

0.94

2.9

0.89

Result

1.0

RunNo: 63980

Prep Date:

10/24/2019

Units: mg/Kg

Analyte

Analysis Date: 10/26/2019 PQL

0.048

0.096

SeqNo: 2188981

103

80

SPK value SPK Ref Val %REC LowLimit HighLimit %RPD 0.024 0.9560 93.3 76 123 11.1 0.048 0.9560 0.009537 97.1 80.3 127 11.2

98.8

98.9

93.5

Benzene Toluene Ethylbenzene Xylenes, Total

> Surr: 4-Bromofluorobenzene Sample ID: MB-48395

SampType: MBLK

TestCode: EPA Method 8021B: Volatiles

80.2

78

80

LowLimit

Client ID: PBS

10/25/2019

Batch ID: 48395 Analysis Date: 10/26/2019

RunNo: 63988 SeqNo: 2189088

HighLimit

Units: mg/Kg %RPD

12.2

11.5

n

RPDLimit Qual

Analyte

Prep Date:

Qualifiers: Value exceeds Maximum Contaminant Level

ND Not Detected at the Reporting Limit

Sample Diluted Due to Matrix

Analyte detected in the associated Method Blank

Value above quantitation range

Analyte detected below quantitation limits Sample pH Not In Range

Reporting Limit

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Holding times for preparation or analysis exceeded

POL Practical Quanitative Limit % Recovery outside of range due to dilution or matrix

Hall Environmental Analysis Laboratory, Inc.

WO#: **1910D20** 31-Oct-19

Client:

Safety & Environmental Solutions

Project: Custom Select Big Cat

Sample ID: MB-48395	SampT	SampType: MBLK TestCode: EPA			PA Method	hod 8021B: Volatiles					
Client ID: PBS	Batcl	Batch ID: 48395 RunNo: 63988									
Prep Date: 10/25/2019	Analysis D	Date: 10)/26/2019	S	SeqNo: 2	189088	Units: mg/K	ίg			
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	SampT	ype: LC	S	TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batcl	h ID: 48	395	95 RunNo: 63988						
Prep Date: 10/25/2019	Analysis D	Date: 10)/26/2019	S	SeqNo: 2	189089	Units: mg/K	(g		
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	Sample ID: 1910D20-057AMS SampType: MS				TestCode: EPA Method 8021B: Volatiles						
Client ID: SP-1 East Wall	ID: SP-1 East Wall Batch ID: 48395 RunNo: 63988										
Prep Date: 10/25/2019	Analysis [Date: 10	0/26/2019	S	SeqNo: 2	189092	Units: mg/k	(g			
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: 1910D20-057AMS	ample ID: 1910D20-057AMSD SampType: MSD				TestCode: EPA Method 8021B: Volatiles						
Client ID: SP-1 East Wall	Batch	ID: 483	395	RunNo: 63988							
Prep Date: 10/25/2019	Analysis D	ate: 10	/26/2019	S	SeqNo: 2	189093	Units: mg/K	(g			
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.

Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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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 Ord	ler Nun	mber: 191	D20		RcptNo	: 1
Received By:	Sun T	Zojas	10/24/2019	9:15:0	00 AM				
Completed By:		0	10/24/2019	11:31:	35 AM		Lad Bac		
Reviewed By:	LB		10/24	19			/ al) see	4	
Chain of Cus	stody								
1. Is Chain of C	Custody comple	ete?			Yes	✓	No 🗌	Not Present	
2. How was the	e sample delive	red?			Cou	ier			
<u>Log In</u>									
3. Was an atter	mpt made to co	ol the samp	oles?		Yes	V	No 🗌	NA 🖵	
4. Were all sam	ples received a	at a tempera	ature of >0° C to 6.	0°C	Yes	V	No 🗌	NA 🗆	
5. Sample(s) in	proper contain	er(s)?			Yes	✓	No 🗌		
6. Sufficient san	nple volume fo	r indicated t	est(s)?		Yes	V	No 🗌		
7. Are samples	(except VOA a	nd ONG) pr	operly preserved?		Yes	V	No 🗌		
8. Was preserva	ative added to l	oottles?			Yes		No 🗸	NA 🗌	
9. VOA vials hav	ve zero headsp	ace?			Yes		No 🗌	No VOA Vials	/
10. Were any sa	mple container	s received b	oroken?		Yes		No 🗸	# of preserved	
11. Does paperwo (Note discrep	ork match bottl ancies on chair		')		Yes	✓	No 🗌		>12 unless noted)
12. Are matrices	correctly identif	fied on Chai	n of Custody?		Yes	~	No 🗌	Adjusted?	
13. Is it clear wha			1?		Yes	~	No 🗌		- 0
 Were all holdi (If no, notify c 	ing times able t sustomer for au				Yes	V	No 🗆	Checked by:	1/12/01 MU
Special Handi	ling (if appl	icable)					· ·		
15. Was client no			with this order?		Yes	$\not \!$	No 🗌	NA 🗹	
Person	Notified:	jerru		Date	10/2	4/19			
By Who	000.000		Melendre		, ,	,	Phone Fax	☐ In Person	
Regard			q -004.			44			
Client I			d Withou	1+ -	-004.				
16. Additional re			7011.00	4 \		EN	H 10/24/	9	
17. Cooler Infor	rmation								
Cooler No	THE RESERVE THE PARTY OF THE PA	Condition	Seal Intact Se	al No	Seal Da	te	Signed By		
1	2.1	Good	Yes						
2	2.3	Good	Yes	1	***************************************		#114 min 1 m 1 m 1 m 1 m 1 m 1 m 1 m 1 m 1 m 1	*	
3	1.4	Good	Yes				***************		

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Time: Dock	23.3	Preservative (-	Lent									CAMPE
Turn-Around Time: \$\frac{5}{1000}\$ Standard Project Name: Cure \$\frac{5}{2} \cdot \frac{1}{2} \cdot Project #:	Project Manager: A Vlev F Sampler: Smm L On Ice: F Yes Sample Temperature:	Container Type and #			7	<i>`</i>		-		Received W	All I	Received 64.
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HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com kins NE - Albuquerque, NM 87109 445-3975 Fax 505-345-4107 Analysis Request	N or M) Feldbles (Y or M)	Page 9
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Turn-Around Time: Standard Standard Project Name: Custow Statet Ru (MY Project #:	Project Manager:	
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ANALYSIS LABORATORY Www.hallenvironmental.com kins NE - Albuquerque, NM 87109 345-3975 Fax 505-345-4107	### ACRA 8 Metals ### Anions (F,CI,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄) ### Anions (F,CI,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄) ### Anions (F,CI,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄) ### Anions (F,CI,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄) ### Anions (F,CI,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄) ### Anions (F,CI,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄) ### Anions (F,CI,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄) ### Anions (F,CI,NO ₂ ,SO ₄) ### Anions (F,CI,NO	Page 98 of the paralytic p
HALL ANAL www.hall 4901 Hawkins NE - Tel. 505-345-3975	EDB (Method 504.1) PAH's (8310 or 8270 SIMS)	Remarks Juzhyzul Chasson
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