

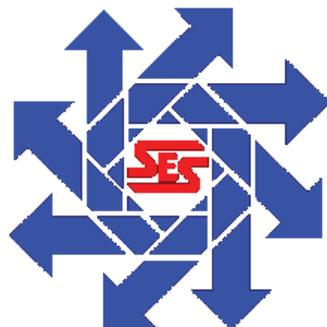
**Breitburn Operating, LP  
AKA Maverick Natural Resources LLC  
Jalmat Field Yates Unit #192**

**Closure Report**

**Section 11, T22S, R35E  
Lea County, New Mexico**

**1RP-5690**

**December 17, 2019**



**Prepared for:**

**Maverick Resources  
PO Box 678  
Andrews, TX**

**By:**

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

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**Jalmat Field Yates Sand Unit #192**  
**December 17, 2019**

**Maverick Resources**  
**Lea County, New Mexico**

**I. Company Contacts**

Representative	Company	Telephone	E-mail
Thomas Haigood	Maverick Resources	432-701-7802	<a href="mailto:Thomas.haigood@mavresources.com">Thomas.haigood@mavresources.com</a>
Bob Allen	SESI	575-397-0510	<a href="mailto:ballen@sesi-nm.com">ballen@sesi-nm.com</a>

**II. Background**

Safety and Environmental Solutions, Inc., hereinafter referred to as (SESI) was engaged by Maverick Resources to assess a spill area on the Jalmat #192 production location. This site is situated in Unit Letter K, Section 11, Township 22S and Range 35E, in Lea county New Mexico.

According to the C-141: the cause of release was due to a 2” casing riser at the wellhead developing a hole from overpressure in the tubing allowing fluid to escape.

**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. However, the records indicated an average depth to water of 185’ bgs. for Township 22S and Range 35E.

**IV. Characterization**

The site has been remediated according to the NMOCD NMAC 19.15.29 published guidelines (July 24, 2018). The site ranking and soil screening levels as presented in the table below:

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

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**Maverick Resources**  
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**V. Work Performed**

On August 27, 2019 SESI personnel, together with personnel and equipment from Custom Welding of Hobbs, NM were on site to advance soil testing trenches. Six test trenches locations were designated and flagged in order to delineate the spill area vertically, and horizontally. All Soil samples were grabbed at surface and one-foot increments and field tested for Total Petroleum Hydrocarbons and Chlorides. The samples were 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)

Breitburn Operating LP Jalmat #192 Soil Sample Results: Hall Environmental Analysis Laboratory 8/27/19									
SAMPLE ID	Benzene	Toluene	Ethyl- benzene	Total Xylenes	Total BTEX	Chlorides	TPH GRO	TPH DRO	EXT DRO
TT-1 @ 1ft	ND	ND	ND	ND	ND	3500	ND	ND	ND
TT-1 @ 2ft	ND	ND	ND	ND	ND	2000	ND	ND	ND
TT-1 @ 3ft	ND	ND	ND	ND	ND	250	ND	ND	ND
TT-2 @ Surface	ND	ND	ND	ND	ND	30000	ND	12	57
TT-2 @ 1ft	ND	ND	ND	ND	ND	4700	ND	ND	ND
TT-2 @ 2ft	ND	ND	ND	ND	ND	970	ND	ND	ND
TT-2 @ 3ft	ND	ND	ND	ND	ND	250	ND	ND	ND
TT-3 @ Surface	ND	ND	ND	ND	ND	16000	ND	ND	ND
TT-3 @ 1ft	ND	ND	ND	ND	ND	5800	ND	ND	ND
TT-3 @ 2ft	ND	ND	ND	ND	ND	1300	ND	ND	ND
TT-4 @ Surface	ND	ND	ND	ND	ND	12000	ND	500	400
TT-4 @ 1ft	ND	ND	ND	ND	ND	5500	ND	27	51
TT-4 @ 2ft	ND	ND	ND	ND	ND	1400	ND	ND	ND
TT-5 @ Surface	ND	ND	ND	ND	ND	46000	ND	1300	1900
TT-5 @ 1ft	ND	ND	ND	ND	ND	3200	ND	14	ND
TT-5 @ 2ft	ND	ND	ND	ND	ND	1300	ND	ND	ND
TT-6 @ Surface	ND	ND	ND	ND	ND	66000	ND	790	1400
TT-6 @ 1ft	ND	ND	ND	ND	ND	7600	ND	250	690
TT-6 @ 2ft	ND	ND	ND	ND	ND	1500	ND	ND	ND

On October 7<sup>th</sup> thru October 17<sup>th</sup>, 2019: based on the above soil analyses, and depth to groundwater, SESI personnel together with excavation equipment and personnel from Custom Welding of Hobbs returned to the site to commence soil remediation activities. The area off the pad is excavated to a depth of 4' bgs. The area on the location pad is excavated to a depth of 1 foot.. One thousand two hundred eighty yards of impacted soil were transported to an NMOCD approved facility for disposal.

The impacted area was excavated to depths where soil screening levels for chloride were <600 ppm in pasture areas and <20,000 ppm on location, TPH screening levels of >2,500 ppm, and BTEX levels of <50 ppm. All impacted soil was transported to an NMOCD approved disposal facility. The areas in the pasture were backfilled with 2' of caliche and 2.5' of topsoil. The area on the location pad was backfilled with caliche.

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**December 17, 2019**

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On October 14<sup>th</sup> and October 15<sup>th</sup>, 2019 SESI personnel perform confirmation sampling to substantiate proper excavation depths. Twenty-nine samples were grabbed from both on the location pad and in the pasture. They are packaged and preserved for transport to Hall Laboratories via Chain of Custody and analyzed for Chloride (CL Method 300.0 Anions), Total Petroleum Hydrocarbons (TPH Method 8015), and BTEX (BTEX Method 9021B). The table below is a recap of the results from the Hall Laboratory Analyses (Appendix C).

Breitburn Operating LP Jalmat #192 Confirmation Soil Sample Results: Hall Environmental Analysis Laboratory 10/14/19-10/15/19								
SAMPLE ID	Benzene	Toluene	Ethyl- benzene	Total Xylenes	Chlorides	TPH GRO	TPH DRO	EXT DRO
SP1 @ South Wall	ND	ND	ND	ND	ND	ND	ND	ND
SP2 @ Bottom 4ft	ND	ND	ND	ND	ND	ND	ND	ND
SP3 @ East Wall	ND	ND	ND	ND	ND	ND	ND	ND
SP4 @ West Wall	ND	ND	ND	ND	ND	ND	ND	ND
SP 5 @ Bottom 4ft	ND	ND	ND	ND	ND	ND	ND	ND
SP6 @ Bottom 4ft	ND	ND	ND	ND	ND	ND	ND	ND
SP7 @ West Wall	ND	ND	ND	ND	ND	ND	ND	ND
SP8 @ East Wall	ND	ND	ND	ND	ND	ND	ND	ND
SP9 @ Bottom 4ft	ND	ND	ND	ND	ND	ND	ND	ND
SP10 @ East Wall	ND	ND	ND	ND	ND	ND	ND	ND
SP11 @ Bottom 4ft	ND	ND	ND	ND	ND	ND	ND	ND
SP12 @ West Wall	ND	ND	ND	ND	ND	ND	ND	ND
SP13 @ West Wall	ND	ND	ND	ND	410	ND	ND	ND
SP14 @ Bottom 1ft	ND	ND	ND	ND	2300	ND	29	66
SP15 @ Bottom 1ft	ND	ND	ND	ND	740	ND	ND	ND
SP16 @ East Wall	ND	ND	ND	ND	ND	ND	ND	ND
SP17 @ East Wall	ND	ND	ND	ND	ND	ND	ND	ND
SP18 @ West Wall	ND	ND	ND	ND	400	ND	ND	ND
SP19 @ Bottom 1ft	ND	ND	ND	ND	740	ND	ND	ND
SP20 @ Bottom 1ft	ND	ND	ND	ND	2400	ND	26	61
SP21 @ Bottom 1ft	ND	ND	ND	ND	740	ND	ND	ND
SP22 @ West Wall	ND	ND	ND	ND	290	ND	ND	ND
SP23 @ East Wall	ND	ND	ND	ND	ND	ND	ND	ND
SP24 @ Bottom 1ft	ND	ND	ND	ND	760	ND	ND	ND
SP25 @ Bottom 1ft	ND	ND	ND	ND	2300	ND	26	70
SP26 @ Bottom 1ft	ND	ND	ND	ND	2200	ND	23	65
SP27 @ West Wall	ND	ND	ND	ND	280	ND	ND	ND
SP28 @ North Wall	ND	ND	ND	ND	290	ND	ND	ND
SP29 @ North Wall	ND	ND	ND	ND	300	ND	ND	ND

## VI. Conclusions

The spill area was excavated and remediated to the NMOCD approved work plan protocol. All impacted soil was transported to an NMOCD approved facility for disposal. A total of 1,280 yards of impacted soil were disposed of. Local soil was transported in for backfill material of the excavated area. The pasture area was restored with 2.5 ft of native topsoil.

SESI, on behalf of Maverick Resources respectfully submits this closure report for your consideration and conclusion of the associated remediation permit.

**VII. Figures & Appendices**

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

**Jalmat Field Yates Sand Unit #192**  
**December 17, 2019**

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**Lea County, New Mexico**

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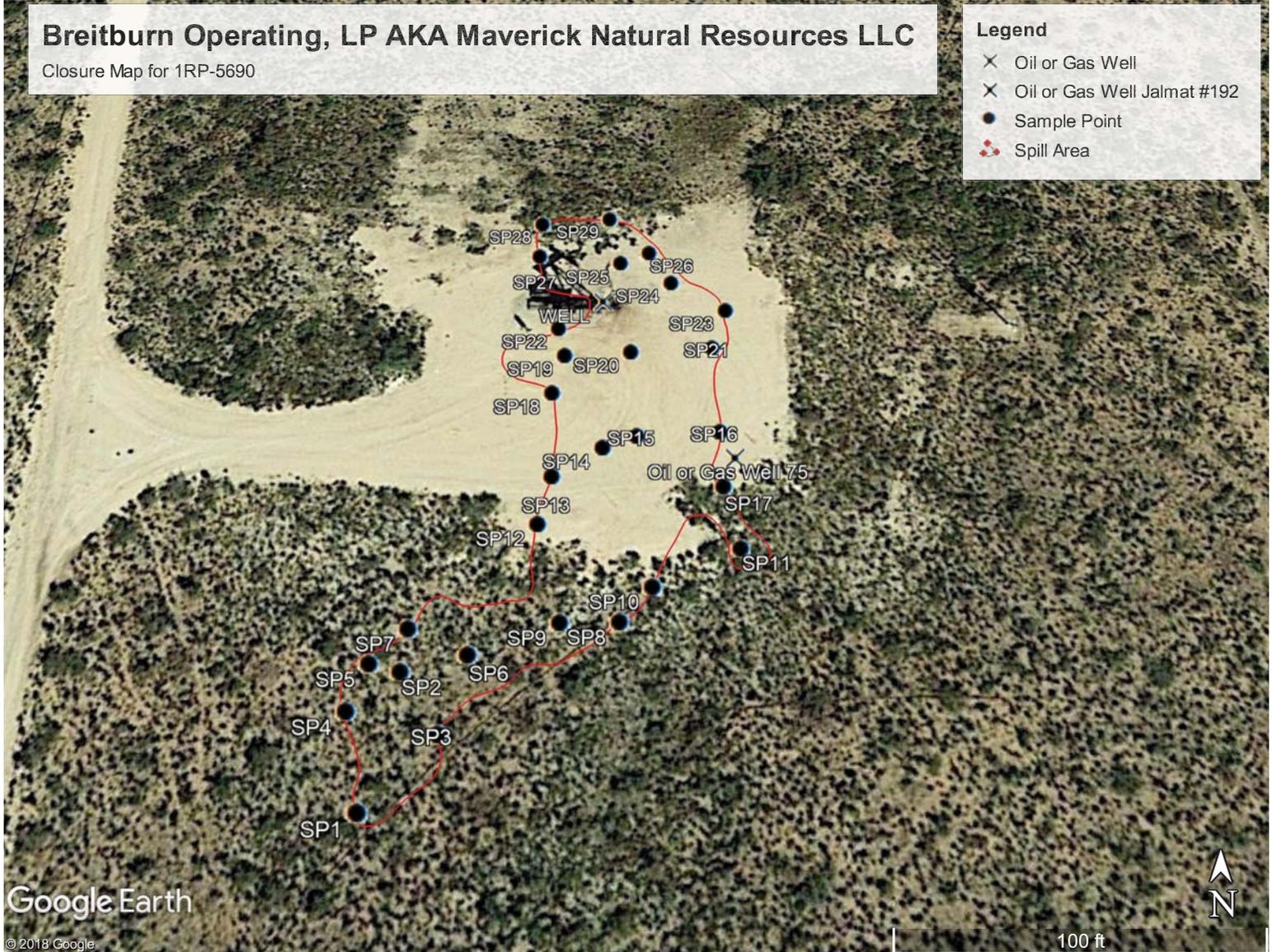
# Figure 1 Site Map

# Breitburn Operating, LP AKA Maverick Natural Resources LLC

Closure Map for 1RP-5690

**Legend**

- ✕ Oil or Gas Well
- ✕ Oil or Gas Well Jalmat #192
- Sample Point
- 🔴 Spill Area



**Jalmat Field Yates Sand Unit #192**  
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# Appendix A

## Site Photographs



**Jalmat Field Yates Sand Unit #192**  
**December 17, 2019**

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**Appendix B**  
**C-141**

Form C-141

State of New Mexico  
Oil Conservation Division

Page 6

Incident ID	NRM1926861979
District RP	1RP-5690
Facility ID	
Application ID	

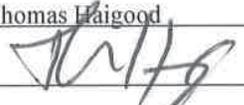
## Closure

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

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

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

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

Printed Name: Thomas Haigood Title: Permian HSE Specialist  
 Signature:  Date: 06/25/19  
 email: Thomas.hagood@maverickresources.com Telephone: (432)701-7802

**OCD Only**

Received by: Cristina Eads Date: 02/21/2020

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:  Date: 02/21/2020  
 Printed Name: Cristina Eads Title: Environmental Specialist

**Jalmat Field Yates Sand Unit #192**  
**December 17, 2019**

**Maverick Resources**  
**Lea County, New Mexico**

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## **Appendix C**

### **Analytical Data**

**Analytical Report**

Lab Order **1910893**

Date Reported:

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** SP1 South Wall

**Project:** Maverick Jalmat 192

**Collection Date:** 10/14/2019 8:10:00 AM

**Lab ID:** 1910893-001

**Matrix:** SOIL

**Received Date:** 10/16/2019 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	10/19/2019 1:05:15 AM	48258
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/18/2019 5:27:42 PM	48214
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/18/2019 5:27:42 PM	48214
Surr: DNOP	110	70-130		%Rec	1	10/18/2019 5:27:42 PM	48214
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/17/2019 1:59:36 PM	48208
Surr: BFB	95.2	77.4-118		%Rec	1	10/17/2019 1:59:36 PM	48208
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	10/17/2019 1:59:36 PM	48208
Toluene	ND	0.049		mg/Kg	1	10/17/2019 1:59:36 PM	48208
Ethylbenzene	ND	0.049		mg/Kg	1	10/17/2019 1:59:36 PM	48208
Xylenes, Total	ND	0.098		mg/Kg	1	10/17/2019 1:59:36 PM	48208
Surr: 4-Bromofluorobenzene	96.3	80-120		%Rec	1	10/17/2019 1:59:36 PM	48208

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

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

**Analytical Report**

Lab Order **1910893**

Date Reported:

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** SP2 Bottom 4ft

**Project:** Maverick Jalmat 192

**Collection Date:** 10/14/2019 8:30:00 AM

**Lab ID:** 1910893-002

**Matrix:** SOIL

**Received Date:** 10/16/2019 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	10/19/2019 1:17:35 AM	48258
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	10/18/2019 5:49:46 PM	48214
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/18/2019 5:49:46 PM	48214
Surr: DNOP	96.5	70-130		%Rec	1	10/18/2019 5:49:46 PM	48214
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/17/2019 3:07:57 PM	48208
Surr: BFB	93.5	77.4-118		%Rec	1	10/17/2019 3:07:57 PM	48208
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.023		mg/Kg	1	10/17/2019 3:07:57 PM	48208
Toluene	ND	0.046		mg/Kg	1	10/17/2019 3:07:57 PM	48208
Ethylbenzene	ND	0.046		mg/Kg	1	10/17/2019 3:07:57 PM	48208
Xylenes, Total	ND	0.093		mg/Kg	1	10/17/2019 3:07:57 PM	48208
Surr: 4-Bromofluorobenzene	95.1	80-120		%Rec	1	10/17/2019 3:07:57 PM	48208

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

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

**Analytical Report**

Lab Order **1910893**

Date Reported:

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** SP3 East Wall

**Project:** Maverick Jalmat 192

**Collection Date:** 10/14/2019 10:15:00 AM

**Lab ID:** 1910893-003

**Matrix:** SOIL

**Received Date:** 10/16/2019 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	10/19/2019 1:54:35 AM	48258
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	10/18/2019 6:12:00 PM	48214
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/18/2019 6:12:00 PM	48214
Surr: DNOP	65.6	70-130	S	%Rec	1	10/18/2019 6:12:00 PM	48214
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/17/2019 3:30:45 PM	48208
Surr: BFB	93.8	77.4-118		%Rec	1	10/17/2019 3:30:45 PM	48208
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	10/17/2019 3:30:45 PM	48208
Toluene	ND	0.049		mg/Kg	1	10/17/2019 3:30:45 PM	48208
Ethylbenzene	ND	0.049		mg/Kg	1	10/17/2019 3:30:45 PM	48208
Xylenes, Total	ND	0.097		mg/Kg	1	10/17/2019 3:30:45 PM	48208
Surr: 4-Bromofluorobenzene	94.3	80-120		%Rec	1	10/17/2019 3:30:45 PM	48208

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

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

**Analytical Report**

Lab Order **1910893**

Date Reported:

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** SP4 West Wall

**Project:** Maverick Jalmat 192

**Collection Date:** 10/14/2019 10:35:00 AM

**Lab ID:** 1910893-004

**Matrix:** SOIL

**Received Date:** 10/16/2019 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	10/19/2019 2:06:57 AM	48258
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	10/18/2019 6:34:08 PM	48214
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/18/2019 6:34:08 PM	48214
Surr: DNOP	132	70-130	S	%Rec	1	10/18/2019 6:34:08 PM	48214
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/17/2019 3:53:38 PM	48208
Surr: BFB	93.8	77.4-118		%Rec	1	10/17/2019 3:53:38 PM	48208
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	10/17/2019 3:53:38 PM	48208
Toluene	ND	0.049		mg/Kg	1	10/17/2019 3:53:38 PM	48208
Ethylbenzene	ND	0.049		mg/Kg	1	10/17/2019 3:53:38 PM	48208
Xylenes, Total	ND	0.098		mg/Kg	1	10/17/2019 3:53:38 PM	48208
Surr: 4-Bromofluorobenzene	94.7	80-120		%Rec	1	10/17/2019 3:53:38 PM	48208

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

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

**Analytical Report**

Lab Order **1910893**

Date Reported:

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** SP5 Bottom 4ft

**Project:** Maverick Jalmat 192

**Collection Date:** 10/14/2019 8:50:00 AM

**Lab ID:** 1910893-005

**Matrix:** SOIL

**Received Date:** 10/16/2019 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	ND	59		mg/Kg	20	10/21/2019 12:09:09 PM	48274
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/18/2019 6:56:23 PM	48214
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/18/2019 6:56:23 PM	48214
Surr: DNOP	51.3	70-130	S	%Rec	1	10/18/2019 6:56:23 PM	48214
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/17/2019 4:16:25 PM	48208
Surr: BFB	92.8	77.4-118		%Rec	1	10/17/2019 4:16:25 PM	48208
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	10/17/2019 4:16:25 PM	48208
Toluene	ND	0.047		mg/Kg	1	10/17/2019 4:16:25 PM	48208
Ethylbenzene	ND	0.047		mg/Kg	1	10/17/2019 4:16:25 PM	48208
Xylenes, Total	ND	0.094		mg/Kg	1	10/17/2019 4:16:25 PM	48208
Surr: 4-Bromofluorobenzene	91.9	80-120		%Rec	1	10/17/2019 4:16:25 PM	48208

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

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

**Analytical Report**

Lab Order **1910893**

Date Reported:

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** SP6 Bottom 4ft

**Project:** Maverick Jalmat 192

**Collection Date:** 10/14/2019 9:10:00 AM

**Lab ID:** 1910893-006

**Matrix:** SOIL

**Received Date:** 10/16/2019 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	ND	60		mg/Kg	20	10/21/2019 12:46:23 PM	48274
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	10/18/2019 7:18:27 PM	48214
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/18/2019 7:18:27 PM	48214
Surr: DNOP	58.2	70-130	S	%Rec	1	10/18/2019 7:18:27 PM	48214
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/17/2019 4:39:15 PM	48208
Surr: BFB	96.5	77.4-118		%Rec	1	10/17/2019 4:39:15 PM	48208
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.023		mg/Kg	1	10/17/2019 4:39:15 PM	48208
Toluene	ND	0.046		mg/Kg	1	10/17/2019 4:39:15 PM	48208
Ethylbenzene	ND	0.046		mg/Kg	1	10/17/2019 4:39:15 PM	48208
Xylenes, Total	ND	0.092		mg/Kg	1	10/17/2019 4:39:15 PM	48208
Surr: 4-Bromofluorobenzene	95.6	80-120		%Rec	1	10/17/2019 4:39:15 PM	48208

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

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

**Analytical Report**

Lab Order **1910893**

Date Reported:

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** SP7 West Wall

**Project:** Maverick Jalmat 192

**Collection Date:** 10/14/2019 10:55:00 AM

**Lab ID:** 1910893-007

**Matrix:** SOIL

**Received Date:** 10/16/2019 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	ND	60		mg/Kg	20	10/21/2019 12:58:48 PM	48274
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	10/18/2019 7:40:37 PM	48214
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	10/18/2019 7:40:37 PM	48214
Surr: DNOP	81.5	70-130		%Rec	1	10/18/2019 7:40:37 PM	48214
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/17/2019 5:02:03 PM	48208
Surr: BFB	90.4	77.4-118		%Rec	1	10/17/2019 5:02:03 PM	48208
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	10/17/2019 5:02:03 PM	48208
Toluene	ND	0.049		mg/Kg	1	10/17/2019 5:02:03 PM	48208
Ethylbenzene	ND	0.049		mg/Kg	1	10/17/2019 5:02:03 PM	48208
Xylenes, Total	ND	0.097		mg/Kg	1	10/17/2019 5:02:03 PM	48208
Surr: 4-Bromofluorobenzene	90.6	80-120		%Rec	1	10/17/2019 5:02:03 PM	48208

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

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

**Analytical Report**

Lab Order **1910893**

Date Reported:

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** SP8 East Wall

**Project:** Maverick Jalmat 192

**Collection Date:** 10/14/2019 11:15:00 AM

**Lab ID:** 1910893-008

**Matrix:** SOIL

**Received Date:** 10/16/2019 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	ND	60		mg/Kg	20	10/21/2019 1:11:13 PM	48274
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	10/18/2019 8:02:35 PM	48214
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/18/2019 8:02:35 PM	48214
Surr: DNOP	83.0	70-130		%Rec	1	10/18/2019 8:02:35 PM	48214
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/17/2019 5:24:51 PM	48208
Surr: BFB	91.0	77.4-118		%Rec	1	10/17/2019 5:24:51 PM	48208
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	10/17/2019 5:24:51 PM	48208
Toluene	ND	0.048		mg/Kg	1	10/17/2019 5:24:51 PM	48208
Ethylbenzene	ND	0.048		mg/Kg	1	10/17/2019 5:24:51 PM	48208
Xylenes, Total	ND	0.096		mg/Kg	1	10/17/2019 5:24:51 PM	48208
Surr: 4-Bromofluorobenzene	90.6	80-120		%Rec	1	10/17/2019 5:24:51 PM	48208

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

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

**Analytical Report**

Lab Order **1910893**

Date Reported:

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** SP9 Bottom 4ft

**Project:** Maverick Jalmat 192

**Collection Date:** 10/14/2019 9:25:00 AM

**Lab ID:** 1910893-009

**Matrix:** SOIL

**Received Date:** 10/16/2019 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	ND	60		mg/Kg	20	10/21/2019 1:23:38 PM	48274
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/18/2019 8:24:48 PM	48214
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/18/2019 8:24:48 PM	48214
Surr: DNOP	51.4	70-130	S	%Rec	1	10/18/2019 8:24:48 PM	48214
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/17/2019 6:33:04 PM	48208
Surr: BFB	91.0	77.4-118		%Rec	1	10/17/2019 6:33:04 PM	48208
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	10/17/2019 6:33:04 PM	48208
Toluene	ND	0.048		mg/Kg	1	10/17/2019 6:33:04 PM	48208
Ethylbenzene	ND	0.048		mg/Kg	1	10/17/2019 6:33:04 PM	48208
Xylenes, Total	ND	0.096		mg/Kg	1	10/17/2019 6:33:04 PM	48208
Surr: 4-Bromofluorobenzene	92.5	80-120		%Rec	1	10/17/2019 6:33:04 PM	48208

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

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

**Analytical Report**

Lab Order **1910893**

Date Reported:

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** SP10 East Wall

**Project:** Maverick Jalmat 192

**Collection Date:** 10/14/2019 11:40:00 AM

**Lab ID:** 1910893-010

**Matrix:** SOIL

**Received Date:** 10/16/2019 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	ND	60		mg/Kg	20	10/21/2019 1:36:02 PM	48274
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	10/18/2019 8:46:51 PM	48214
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/18/2019 8:46:51 PM	48214
Surr: DNOP	42.5	70-130	S	%Rec	1	10/18/2019 8:46:51 PM	48214
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/17/2019 6:55:59 PM	48208
Surr: BFB	90.3	77.4-118		%Rec	1	10/17/2019 6:55:59 PM	48208
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.023		mg/Kg	1	10/17/2019 6:55:59 PM	48208
Toluene	ND	0.047		mg/Kg	1	10/17/2019 6:55:59 PM	48208
Ethylbenzene	ND	0.047		mg/Kg	1	10/17/2019 6:55:59 PM	48208
Xylenes, Total	ND	0.093		mg/Kg	1	10/17/2019 6:55:59 PM	48208
Surr: 4-Bromofluorobenzene	91.5	80-120		%Rec	1	10/17/2019 6:55:59 PM	48208

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

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

**Analytical Report**

Lab Order **1910893**

Date Reported:

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** SP11 Bottom 4ft

**Project:** Maverick Jalmat 192

**Collection Date:** 10/14/2019 9:50:00 AM

**Lab ID:** 1910893-011

**Matrix:** SOIL

**Received Date:** 10/16/2019 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	ND	60		mg/Kg	20	10/21/2019 2:13:16 PM	48274
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	10/18/2019 9:09:00 PM	48214
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/18/2019 9:09:00 PM	48214
Surr: DNOP	54.3	70-130	S	%Rec	1	10/18/2019 9:09:00 PM	48214
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/17/2019 7:18:45 PM	48208
Surr: BFB	91.2	77.4-118		%Rec	1	10/17/2019 7:18:45 PM	48208
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	10/17/2019 7:18:45 PM	48208
Toluene	ND	0.049		mg/Kg	1	10/17/2019 7:18:45 PM	48208
Ethylbenzene	ND	0.049		mg/Kg	1	10/17/2019 7:18:45 PM	48208
Xylenes, Total	ND	0.099		mg/Kg	1	10/17/2019 7:18:45 PM	48208
Surr: 4-Bromofluorobenzene	91.5	80-120		%Rec	1	10/17/2019 7:18:45 PM	48208

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

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

**Analytical Report**

Lab Order **1910893**

Date Reported:

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** SP12 West Wall

**Project:** Maverick Jalmat 192

**Collection Date:** 10/14/2019 1:00:00 PM

**Lab ID:** 1910893-012

**Matrix:** SOIL

**Received Date:** 10/16/2019 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	ND	60		mg/Kg	20	10/21/2019 2:25:41 PM	48274
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	10/18/2019 9:31:00 PM	48214
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	10/18/2019 9:31:00 PM	48214
Surr: DNOP	26.8	70-130	S	%Rec	1	10/18/2019 9:31:00 PM	48214
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/17/2019 7:41:25 PM	48208
Surr: BFB	94.2	77.4-118		%Rec	1	10/17/2019 7:41:25 PM	48208
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	10/17/2019 7:41:25 PM	48208
Toluene	ND	0.049		mg/Kg	1	10/17/2019 7:41:25 PM	48208
Ethylbenzene	ND	0.049		mg/Kg	1	10/17/2019 7:41:25 PM	48208
Xylenes, Total	ND	0.097		mg/Kg	1	10/17/2019 7:41:25 PM	48208
Surr: 4-Bromofluorobenzene	94.0	80-120		%Rec	1	10/17/2019 7:41:25 PM	48208

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

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

**Analytical Report**

Lab Order **1910893**

Date Reported:

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** SP13 West Wall

**Project:** Maverick Jalmat 192

**Collection Date:** 10/14/2019 1:30:00 PM

**Lab ID:** 1910893-013

**Matrix:** SOIL

**Received Date:** 10/16/2019 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	410	60		mg/Kg	20	10/21/2019 2:38:05 PM	48274
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/18/2019 9:53:06 PM	48214
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/18/2019 9:53:06 PM	48214
Surr: DNOP	75.2	70-130		%Rec	1	10/18/2019 9:53:06 PM	48214
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/17/2019 8:04:05 PM	48208
Surr: BFB	95.4	77.4-118		%Rec	1	10/17/2019 8:04:05 PM	48208
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	10/17/2019 8:04:05 PM	48208
Toluene	ND	0.049		mg/Kg	1	10/17/2019 8:04:05 PM	48208
Ethylbenzene	ND	0.049		mg/Kg	1	10/17/2019 8:04:05 PM	48208
Xylenes, Total	ND	0.098		mg/Kg	1	10/17/2019 8:04:05 PM	48208
Surr: 4-Bromofluorobenzene	94.4	80-120		%Rec	1	10/17/2019 8:04:05 PM	48208

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

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

**Analytical Report**

Lab Order **1910893**

Date Reported:

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** SP14 Bottom 1ft

**Project:** Maverick Jalmat 192

**Collection Date:** 10/15/2019 8:35:00 AM

**Lab ID:** 1910893-014

**Matrix:** SOIL

**Received Date:** 10/16/2019 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	2300	150		mg/Kg	50	10/22/2019 9:29:39 PM	48274
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	29	9.0		mg/Kg	1	10/23/2019 9:07:46 AM	48316
Motor Oil Range Organics (MRO)	66	45		mg/Kg	1	10/23/2019 9:07:46 AM	48316
Surr: DNOP	107	70-130		%Rec	1	10/23/2019 9:07:46 AM	48316
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/17/2019 8:26:46 PM	48208
Surr: BFB	93.1	77.4-118		%Rec	1	10/17/2019 8:26:46 PM	48208
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.023		mg/Kg	1	10/17/2019 8:26:46 PM	48208
Toluene	ND	0.046		mg/Kg	1	10/17/2019 8:26:46 PM	48208
Ethylbenzene	ND	0.046		mg/Kg	1	10/17/2019 8:26:46 PM	48208
Xylenes, Total	ND	0.093		mg/Kg	1	10/17/2019 8:26:46 PM	48208
Surr: 4-Bromofluorobenzene	92.5	80-120		%Rec	1	10/17/2019 8:26:46 PM	48208

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

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

**Analytical Report**

Lab Order **1910893**

Date Reported:

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** SP15 Bottom 1ft

**Project:** Maverick Jalmat 192

**Collection Date:** 10/15/2019 8:55:00 AM

**Lab ID:** 1910893-015

**Matrix:** SOIL

**Received Date:** 10/16/2019 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	740	60		mg/Kg	20	10/21/2019 3:02:54 PM	48274
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	10/18/2019 10:37:12 PM	48214
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/18/2019 10:37:12 PM	48214
Surr: DNOP	70.0	70-130	S	%Rec	1	10/18/2019 10:37:12 PM	48214
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/17/2019 8:49:33 PM	48208
Surr: BFB	93.9	77.4-118		%Rec	1	10/17/2019 8:49:33 PM	48208
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	10/17/2019 8:49:33 PM	48208
Toluene	ND	0.049		mg/Kg	1	10/17/2019 8:49:33 PM	48208
Ethylbenzene	ND	0.049		mg/Kg	1	10/17/2019 8:49:33 PM	48208
Xylenes, Total	ND	0.099		mg/Kg	1	10/17/2019 8:49:33 PM	48208
Surr: 4-Bromofluorobenzene	93.3	80-120		%Rec	1	10/17/2019 8:49:33 PM	48208

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

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

**Analytical Report**

Lab Order **1910893**

Date Reported:

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** SP16 East Wall

**Project:** Maverick Jalmat 192

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

**Lab ID:** 1910893-016

**Matrix:** SOIL

**Received Date:** 10/16/2019 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	ND	60		mg/Kg	20	10/21/2019 3:15:18 PM	48274
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	10/18/2019 10:59:12 PM	48214
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	10/18/2019 10:59:12 PM	48214
Surr: DNOP	54.1	70-130	S	%Rec	1	10/18/2019 10:59:12 PM	48214
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/17/2019 9:12:15 PM	48208
Surr: BFB	94.5	77.4-118		%Rec	1	10/17/2019 9:12:15 PM	48208
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	10/17/2019 9:12:15 PM	48208
Toluene	ND	0.047		mg/Kg	1	10/17/2019 9:12:15 PM	48208
Ethylbenzene	ND	0.047		mg/Kg	1	10/17/2019 9:12:15 PM	48208
Xylenes, Total	ND	0.095		mg/Kg	1	10/17/2019 9:12:15 PM	48208
Surr: 4-Bromofluorobenzene	93.2	80-120		%Rec	1	10/17/2019 9:12:15 PM	48208

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

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

**Analytical Report**

Lab Order **1910893**

Date Reported:

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** SP17 East Wall

**Project:** Maverick Jalmat 192

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

**Lab ID:** 1910893-017

**Matrix:** SOIL

**Received Date:** 10/16/2019 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	ND	60		mg/Kg	20	10/21/2019 3:27:43 PM	48274
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	10/18/2019 11:21:11 PM	48214
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/18/2019 11:21:11 PM	48214
Surr: DNOP	41.3	70-130	S	%Rec	1	10/18/2019 11:21:11 PM	48214
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/17/2019 9:34:56 PM	48208
Surr: BFB	92.8	77.4-118		%Rec	1	10/17/2019 9:34:56 PM	48208
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	10/17/2019 9:34:56 PM	48208
Toluene	ND	0.047		mg/Kg	1	10/17/2019 9:34:56 PM	48208
Ethylbenzene	ND	0.047		mg/Kg	1	10/17/2019 9:34:56 PM	48208
Xylenes, Total	ND	0.095		mg/Kg	1	10/17/2019 9:34:56 PM	48208
Surr: 4-Bromofluorobenzene	92.4	80-120		%Rec	1	10/17/2019 9:34:56 PM	48208

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

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

**Analytical Report**

Lab Order **1910893**

Date Reported:

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** SP18 West Wall

**Project:** Maverick Jalmat 192

**Collection Date:** 10/15/2019 11:35:00 AM

**Lab ID:** 1910893-018

**Matrix:** SOIL

**Received Date:** 10/16/2019 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	400	60		mg/Kg	20	10/21/2019 3:40:08 PM	48274
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/19/2019 12:49:17 AM	48215
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/19/2019 12:49:17 AM	48215
Surr: DNOP	55.2	70-130	S	%Rec	1	10/19/2019 12:49:17 AM	48215
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/18/2019 12:23:47 PM	48209
Surr: BFB	95.1	77.4-118		%Rec	1	10/18/2019 12:23:47 PM	48209
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	10/18/2019 12:23:47 PM	48209
Toluene	ND	0.049		mg/Kg	1	10/18/2019 12:23:47 PM	48209
Ethylbenzene	ND	0.049		mg/Kg	1	10/18/2019 12:23:47 PM	48209
Xylenes, Total	ND	0.097		mg/Kg	1	10/18/2019 12:23:47 PM	48209
Surr: 4-Bromofluorobenzene	99.2	80-120		%Rec	1	10/18/2019 12:23:47 PM	48209

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

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

**Analytical Report**

Lab Order **1910893**

Date Reported:

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** SP19 Bottom 1ft

**Project:** Maverick Jalmat 192

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

**Lab ID:** 1910893-019

**Matrix:** SOIL

**Received Date:** 10/16/2019 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	740	60		mg/Kg	20	10/21/2019 3:52:33 PM	48274
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/19/2019 1:11:08 AM	48215
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/19/2019 1:11:08 AM	48215
Surr: DNOP	66.3	70-130	S	%Rec	1	10/19/2019 1:11:08 AM	48215
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/18/2019 1:58:31 PM	48209
Surr: BFB	97.4	77.4-118		%Rec	1	10/18/2019 1:58:31 PM	48209
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	10/18/2019 1:58:31 PM	48209
Toluene	ND	0.049		mg/Kg	1	10/18/2019 1:58:31 PM	48209
Ethylbenzene	ND	0.049		mg/Kg	1	10/18/2019 1:58:31 PM	48209
Xylenes, Total	ND	0.098		mg/Kg	1	10/18/2019 1:58:31 PM	48209
Surr: 4-Bromofluorobenzene	101	80-120		%Rec	1	10/18/2019 1:58:31 PM	48209

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

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

**Analytical Report**

Lab Order **1910893**

Date Reported:

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** SP20 Bottom 1ft

**Project:** Maverick Jalmat 192

**Collection Date:** 10/15/2019 9:25:00 AM

**Lab ID:** 1910893-020

**Matrix:** SOIL

**Received Date:** 10/16/2019 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	2400	60		mg/Kg	20	10/21/2019 4:04:57 PM	48274
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	26	9.3		mg/Kg	1	10/21/2019 6:16:18 PM	48215
Motor Oil Range Organics (MRO)	61	46		mg/Kg	1	10/21/2019 6:16:18 PM	48215
Surr: DNOP	107	70-130		%Rec	1	10/21/2019 6:16:18 PM	48215
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/18/2019 3:09:03 PM	48209
Surr: BFB	95.7	77.4-118		%Rec	1	10/18/2019 3:09:03 PM	48209
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	10/18/2019 3:09:03 PM	48209
Toluene	ND	0.049		mg/Kg	1	10/18/2019 3:09:03 PM	48209
Ethylbenzene	ND	0.049		mg/Kg	1	10/18/2019 3:09:03 PM	48209
Xylenes, Total	ND	0.097		mg/Kg	1	10/18/2019 3:09:03 PM	48209
Surr: 4-Bromofluorobenzene	98.7	80-120		%Rec	1	10/18/2019 3:09:03 PM	48209

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

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

**Analytical Report**

Lab Order **1910893**

Date Reported:

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** SP21 Bottom 1ft

**Project:** Maverick Jalmat 192

**Collection Date:** 10/15/2019 9:40:00 AM

**Lab ID:** 1910893-021

**Matrix:** SOIL

**Received Date:** 10/16/2019 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	740	60		mg/Kg	20	10/21/2019 4:42:11 PM	48274
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/19/2019 1:54:57 AM	48215
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/19/2019 1:54:57 AM	48215
Surr: DNOP	75.6	70-130		%Rec	1	10/19/2019 1:54:57 AM	48215
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/18/2019 3:32:30 PM	48209
Surr: BFB	91.6	77.4-118		%Rec	1	10/18/2019 3:32:30 PM	48209
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	10/18/2019 3:32:30 PM	48209
Toluene	ND	0.049		mg/Kg	1	10/18/2019 3:32:30 PM	48209
Ethylbenzene	ND	0.049		mg/Kg	1	10/18/2019 3:32:30 PM	48209
Xylenes, Total	ND	0.098		mg/Kg	1	10/18/2019 3:32:30 PM	48209
Surr: 4-Bromofluorobenzene	94.0	80-120		%Rec	1	10/18/2019 3:32:30 PM	48209

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

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

**Analytical Report**

Lab Order **1910893**

Date Reported:

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** SP22 West Well

**Project:** Maverick Jalmat 192

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

**Lab ID:** 1910893-022

**Matrix:** SOIL

**Received Date:** 10/16/2019 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	290	60		mg/Kg	20	10/21/2019 4:54:35 PM	48274
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/19/2019 2:16:55 AM	48215
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/19/2019 2:16:55 AM	48215
Surr: DNOP	52.4	70-130	S	%Rec	1	10/19/2019 2:16:55 AM	48215
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/18/2019 3:56:02 PM	48209
Surr: BFB	92.5	77.4-118		%Rec	1	10/18/2019 3:56:02 PM	48209
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.023		mg/Kg	1	10/18/2019 3:56:02 PM	48209
Toluene	ND	0.046		mg/Kg	1	10/18/2019 3:56:02 PM	48209
Ethylbenzene	ND	0.046		mg/Kg	1	10/18/2019 3:56:02 PM	48209
Xylenes, Total	ND	0.092		mg/Kg	1	10/18/2019 3:56:02 PM	48209
Surr: 4-Bromofluorobenzene	95.4	80-120		%Rec	1	10/18/2019 3:56:02 PM	48209

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

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

**Analytical Report**

Lab Order **1910893**

Date Reported:

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** SP23 East Wall

**Project:** Maverick Jalmat 192

**Collection Date:** 10/15/2019 11:55:00 AM

**Lab ID:** 1910893-023

**Matrix:** SOIL

**Received Date:** 10/16/2019 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	ND	60		mg/Kg	20	10/21/2019 5:07:00 PM	48274
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/19/2019 2:38:41 AM	48215
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/19/2019 2:38:41 AM	48215
Surr: DNOP	39.9	70-130	S	%Rec	1	10/19/2019 2:38:41 AM	48215
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/18/2019 4:19:35 PM	48209
Surr: BFB	90.5	77.4-118		%Rec	1	10/18/2019 4:19:35 PM	48209
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	10/18/2019 4:19:35 PM	48209
Toluene	ND	0.049		mg/Kg	1	10/18/2019 4:19:35 PM	48209
Ethylbenzene	ND	0.049		mg/Kg	1	10/18/2019 4:19:35 PM	48209
Xylenes, Total	ND	0.097		mg/Kg	1	10/18/2019 4:19:35 PM	48209
Surr: 4-Bromofluorobenzene	94.2	80-120		%Rec	1	10/18/2019 4:19:35 PM	48209

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

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

**Analytical Report**

Lab Order **1910893**

Date Reported:

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** SP24 Bottom 1ft

**Project:** Maverick Jalmat 192

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

**Lab ID:** 1910893-024

**Matrix:** SOIL

**Received Date:** 10/16/2019 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	760	60		mg/Kg	20	10/21/2019 5:19:25 PM	48274
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/19/2019 3:00:35 AM	48215
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/19/2019 3:00:35 AM	48215
Surr: DNOP	40.1	70-130	S	%Rec	1	10/19/2019 3:00:35 AM	48215
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/18/2019 4:43:01 PM	48209
Surr: BFB	92.1	77.4-118		%Rec	1	10/18/2019 4:43:01 PM	48209
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	10/18/2019 4:43:01 PM	48209
Toluene	ND	0.049		mg/Kg	1	10/18/2019 4:43:01 PM	48209
Ethylbenzene	ND	0.049		mg/Kg	1	10/18/2019 4:43:01 PM	48209
Xylenes, Total	ND	0.098		mg/Kg	1	10/18/2019 4:43:01 PM	48209
Surr: 4-Bromofluorobenzene	94.0	80-120		%Rec	1	10/18/2019 4:43:01 PM	48209

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

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

**Analytical Report**

Lab Order **1910893**

Date Reported:

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** SP25 Bottom 1ft

**Project:** Maverick Jalmat 192

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

**Lab ID:** 1910893-025

**Matrix:** SOIL

**Received Date:** 10/16/2019 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	2300	60		mg/Kg	20	10/21/2019 4:13:09 PM	48289
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	26	10		mg/Kg	1	10/21/2019 6:38:44 PM	48215
Motor Oil Range Organics (MRO)	70	50		mg/Kg	1	10/21/2019 6:38:44 PM	48215
Surr: DNOP	69.8	70-130	S	%Rec	1	10/21/2019 6:38:44 PM	48215
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/18/2019 5:06:26 PM	48209
Surr: BFB	89.4	77.4-118		%Rec	1	10/18/2019 5:06:26 PM	48209
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	10/18/2019 5:06:26 PM	48209
Toluene	ND	0.048		mg/Kg	1	10/18/2019 5:06:26 PM	48209
Ethylbenzene	ND	0.048		mg/Kg	1	10/18/2019 5:06:26 PM	48209
Xylenes, Total	ND	0.097		mg/Kg	1	10/18/2019 5:06:26 PM	48209
Surr: 4-Bromofluorobenzene	91.5	80-120		%Rec	1	10/18/2019 5:06:26 PM	48209

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

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

**Analytical Report**

Lab Order **1910893**

Date Reported:

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** SP26 Bottom 1ft

**Project:** Maverick Jalmat 192

**Collection Date:** 10/15/2019 10:35:00 AM

**Lab ID:** 1910893-026

**Matrix:** SOIL

**Received Date:** 10/16/2019 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	2200	60		mg/Kg	20	10/21/2019 4:50:11 PM	48289
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	23	9.9		mg/Kg	1	10/21/2019 7:00:45 PM	48215
Motor Oil Range Organics (MRO)	65	50		mg/Kg	1	10/21/2019 7:00:45 PM	48215
Surr: DNOP	99.3	70-130		%Rec	1	10/21/2019 7:00:45 PM	48215
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/18/2019 5:29:54 PM	48209
Surr: BFB	93.7	77.4-118		%Rec	1	10/18/2019 5:29:54 PM	48209
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	10/18/2019 5:29:54 PM	48209
Toluene	ND	0.049		mg/Kg	1	10/18/2019 5:29:54 PM	48209
Ethylbenzene	ND	0.049		mg/Kg	1	10/18/2019 5:29:54 PM	48209
Xylenes, Total	ND	0.097		mg/Kg	1	10/18/2019 5:29:54 PM	48209
Surr: 4-Bromofluorobenzene	96.5	80-120		%Rec	1	10/18/2019 5:29:54 PM	48209

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

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

**Analytical Report**

Lab Order **1910893**

Date Reported:

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** SP27 West Wall

**Project:** Maverick Jalmat 192

**Collection Date:** 10/15/2019 1:25:00 PM

**Lab ID:** 1910893-027

**Matrix:** SOIL

**Received Date:** 10/16/2019 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	280	60		mg/Kg	20	10/21/2019 5:02:31 PM	48289
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	10/19/2019 4:05:55 AM	48215
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	10/19/2019 4:05:55 AM	48215
Surr: DNOP	36.5	70-130	S	%Rec	1	10/19/2019 4:05:55 AM	48215
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/18/2019 6:40:45 PM	48209
Surr: BFB	89.4	77.4-118		%Rec	1	10/18/2019 6:40:45 PM	48209
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	10/18/2019 6:40:45 PM	48209
Toluene	ND	0.047		mg/Kg	1	10/18/2019 6:40:45 PM	48209
Ethylbenzene	ND	0.047		mg/Kg	1	10/18/2019 6:40:45 PM	48209
Xylenes, Total	ND	0.095		mg/Kg	1	10/18/2019 6:40:45 PM	48209
Surr: 4-Bromofluorobenzene	92.8	80-120		%Rec	1	10/18/2019 6:40:45 PM	48209

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

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

**Analytical Report**

Lab Order **1910893**

Date Reported:

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** SP28 North Wall

**Project:** Maverick Jalmat 192

**Collection Date:** 10/15/2019 1:40:00 PM

**Lab ID:** 1910893-028

**Matrix:** SOIL

**Received Date:** 10/16/2019 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	290	60		mg/Kg	20	10/21/2019 5:14:51 PM	48289
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/19/2019 4:27:43 AM	48215
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/19/2019 4:27:43 AM	48215
Surr: DNOP	27.4	70-130	S	%Rec	1	10/19/2019 4:27:43 AM	48215
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/18/2019 7:04:14 PM	48209
Surr: BFB	90.8	77.4-118		%Rec	1	10/18/2019 7:04:14 PM	48209
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	10/18/2019 7:04:14 PM	48209
Toluene	ND	0.049		mg/Kg	1	10/18/2019 7:04:14 PM	48209
Ethylbenzene	ND	0.049		mg/Kg	1	10/18/2019 7:04:14 PM	48209
Xylenes, Total	ND	0.097		mg/Kg	1	10/18/2019 7:04:14 PM	48209
Surr: 4-Bromofluorobenzene	94.2	80-120		%Rec	1	10/18/2019 7:04:14 PM	48209

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

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

**Analytical Report**

Lab Order **1910893**

Date Reported:

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** SP29 North Wall

**Project:** Maverick Jalmat 192

**Collection Date:** 10/15/2019 1:55:00 PM

**Lab ID:** 1910893-029

**Matrix:** SOIL

**Received Date:** 10/16/2019 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	300	60		mg/Kg	20	10/21/2019 6:16:33 PM	48289
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/19/2019 4:49:33 AM	48215
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/19/2019 4:49:33 AM	48215
Surr: DNOP	12.1	70-130	S	%Rec	1	10/19/2019 4:49:33 AM	48215
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/18/2019 7:27:41 PM	48209
Surr: BFB	90.2	77.4-118		%Rec	1	10/18/2019 7:27:41 PM	48209
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	10/18/2019 7:27:41 PM	48209
Toluene	ND	0.049		mg/Kg	1	10/18/2019 7:27:41 PM	48209
Ethylbenzene	ND	0.049		mg/Kg	1	10/18/2019 7:27:41 PM	48209
Xylenes, Total	ND	0.099		mg/Kg	1	10/18/2019 7:27:41 PM	48209
Surr: 4-Bromofluorobenzene	92.6	80-120		%Rec	1	10/18/2019 7:27:41 PM	48209

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

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