

Hadaway Consulting & Engineering

JP White # 4

Closure Report

Section 18, Township 10S, Range 29E Chaves County, New Mexico

2RP-5048

30-005-00411

B5C5D-190910-C-1440

September 9, 2019



Prepared for:
Hadaway Consulting & Engineering
PO Box 188
Canadian, TX

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

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I. Company Contacts

Representative	Company	Telephone	E-mail
Alan Hadaway	Hadaway Consulting & Engineering	806-323-9811	hadaway@hadeng.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 Hadaway Consulting & Engineering, to assess a spill area with the open NMOCD permit of 2RP-5048.

According to the C-141: the cause of release, was due to the Muirfield #2H (of the same section 18), having been frac stimulated, and after stimulation a leak from the offset well, described above was discovered on 11/8/2018. The offset well was drilled to a TD of 2875 ft. in 1948, with only 15' of 10 3/4" conductor in the hole. The well was then P&A'd with a 10 sx cement plug at 2400' and one 5 sx cement plug at the surface. Representatives took proactive measures to dam up the spill run and prevent as much pasture area impact as possible. A Trimble Juno 3B handheld was used to map the spill area. The fluid traversed the West side of the lease road, crossing over and traversing the East side of lease road to pasture area (Figure 2). Approximately 6,282, square yards of surface area were remediated. This excludes the reclaimed pad area that was reclaimed at time of the decommissioned well site.

II. Surface and Ground Water

There is no record of groundwater in the immediate vicinity of the site location. Further research of the New Mexico Office of the State Engineer records indicates the average depth to groundwater for the area to be 70' bgs. (Appendix B).

IV. Characterization

The target cleanup levels are determined using the NMAC 19.15.29 revisions dated July 24, 2018. The soil screening criteria presented below, and the applicable Recommended Remediation Action Levels (RRAL) are 10 parts per million (ppm) Benzene, 50 ppm combined Benzene, Toluene, Ethyl Benzene, and Total Xylenes (BTEX), and 2,500 ppm Total Petroleum Hydrocarbons (TPH). Characterization of vertical extent of chloride concentration to a level of 600 mg/kg (PPM) is also required for pasture impact. The soil in this area is characterized as a sandy Portales loam.

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
	Benzenes	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
	Benzenes	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

V. Work Performed

On March 06, 2019 SESI personnel were on site to advance Auger Holes for purposes of soil delineation and field screening. The impacted surface area had been previously removed and stockpiled for disposal (Manifests). SESI field personnel contacted Gary Holeman regarding information of the spill event. Mr. Holeman described the path of the release. SESI personnel then walked out areas where clear visual Chloride staining remains. Pin Flags were installed for ease of mapping. Seven areas were allocated for Auger Hole installation in order to determine vertical and horizontal extent of impact. Auger Hole 1 was advanced, and field results at that depth were 10,000 mg/kg Cl. Further auger holes were advanced to depths of refusal, including auger hole seven to the depth of refusal at 2' bgs. A soil sample was grabbed, and field tested for Chlorides. The results were 20,008 mg/kg. Field testing was halted due to the soil characterization and refusal at shallow depths. The area was flagged for future New Mexico One Call clearance.

On March 19, 2019 SESI personnel, together with personnel and equipment from Custom Welding of Hobbs, NM were onsite, in order to advance Test trenches and complete delineation efforts. Mr. Gary Hebbert, from L&E Ranches, as well as Mr. Alan Hadaway, representative of Hadaway Consulting & Engineering was also present.

Test trenches were located at Nine (9) sample point positions, and advanced according to previous allocated and flagged areas for field sampling. The mechanized equipment encountered refusal at depths of 6'-8' bgs. Soil samples were grabbed at surface, and in one-foot increments, field tested, and packaged for laboratory confirmation. All samples were properly packaged, labeled, preserved, and transported to Hall Laboratories via Chain of Custody for analyses. The following constituencies were analyzed: Chloride (Cl Method 300.0 Anions), Total Petroleum Hydrocarbons (TPH Method 8015), and Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX Method 8021B). The table below is a recap and tabulation of the results from the Hall Laboratory analyses for ease of reference (Appendix C):

Sample ID	Chloride EPA Method 300 Anions	DRO EPA Method 8015	GRO EPA Method 8015	BTEX EPA Method 8021
TT-1 3ft	4900	220	ND	ND
TT-1 4ft	3800	190	ND	ND
TT-2 3ft	2600	ND	ND	ND
TT-3 6ft	24000	38	ND	ND
TT-3 7ft	14000	45	ND	ND
TT-4 Surface	160	16	ND	ND
TT-4 1ft	86	ND	ND	ND
TT-5 1ft	6300	ND	ND	ND
TT-5 2ft	8800			
TT-5 4ft	4500	ND	ND	ND
TT-5 6ft	970			
TT-5 8ft	250	ND	ND	ND
TT-6 1ft	7700	ND	ND	ND
TT-6 2ft	5600			
TT-6 4ft	3600	ND	ND	ND
TT-6 6ft	870			
TT-6 8ft	520	ND	ND	ND
TT-7 1ft	8900	ND	ND	ND
TT-7 2ft	8000			
TT-7 4ft	1800	ND	ND	ND
TT-7 6ft	480			
TT-7 8ft	120	ND	ND	ND
TT-8 1ft	10000	ND	ND	ND
TT-8 2ft	8600			
TT-8 4ft	7400	ND	ND	ND
TT-8 6ft	1700			
TT-8 8ft	750	ND	ND	ND
TT-9 1ft	14000	ND	ND	ND
TT-9 2ft	5700			
TT-9 4ft	5400	ND	ND	ND
TT-9 6ft	540			
TT-9 8ft	370	ND	ND	ND

VI. Conclusion:

Based on the NMOCD soil screening levels and depth to groundwater for this area: SESI submitted a work plan to the NMOCD on May 20, 2019 proposing to remediate the impacted area to depths of 4ft., or to levels whereby the RL's for chlorides were < 600 mg/kg installing a liner, backfilling, and restoring to grade. Upon completion of remediation activities: all surface areas off the location area were to be re-seeded in order to promote vegetation.

On June 24, 2019 the NMOCD responded with a conditional approval of the work plan. The second condition of approval: required performing a grab sample of the remediation area whereby each sample is not representative of more than 200 ft.². Due to the vast area of excavation, SESI requested a deviance from the required number of soil samples. The variance was approved by the NMOCD on November 08, 2018.

On July 10, 2019 SESI personnel together with personnel an equipment from Gandy's Construction were on site in order to commence remediation of the impacted area on the West Side of the lease road. The equipment began excavating to the West end of the impacted area on the west side of lease road. SESI personnel extracted soil samples from the bottom and sidewalls of the excavated area. All soil samples were properly packaged, preserved, and transported via chain of custody, to Hall Laboratories for analyses of Chloride (CL EPA Method 300.0 ANIONS) The results are recapped in table below (Appendix C):

Sample ID	Chloride (mg/kg) EPA Method 300 Anions
SP-1 West Wall	ND
SP-9 North Wall	ND
SP-5 South Wall	ND
SP-13 East Wall	ND
SP-4 Bottom 4ft	3700
SP- 6 Bottom 4ft	3600
SP-2 Bottom 4ft	2200
SP-3 Bottom 4ft	1100
SP-7 Bottom 4ft	2200
SP-8 Bottom 4ft	300
SP-10 Bottom 4ft	1100
SP-11 Bottom 4ft	1100
SP-12 Bottom 4ft	2300
SP-14 Bottom 4ft	2000
SP-15 Bottom 4ft	2000

On July 17, 2019 SESI personnel extracted soil samples from the sidewalls and bottom for the center of the excavated area (Figure 2). All soil samples were properly packaged, preserved, and transported via chain of custody, to Hall Laboratories for analyses of Chloride (CL EPA Method 300.0 ANIONS) The results are recapped in table below (Appendix C):

Sample ID	Chloride (mg/kg) EPA Method 300 Anions
SP-16 North Wall	ND
SP-17 South Wall	ND
SP-18 Bottom 4ft	2400
SP-19 North Wall	ND
SP-20 Bottom 4ft	1200
SP-21 Bottom 4ft	2400
SP-22 Bottom 4ft	2300
SP-23 South Wall	380
SP-24 Bottom 4ft	2300
SP-25 Bottom 4ft	1100
SP-26 North Wall	380

By August 07, 2019 the impacted area west of the lease road had been excavated to a depth of 4' below surface. The remaining bottom and sidewall soil samples were grabbed, properly preserved, packaged, and transported to Hall Laboratories via chain of custody for analyses of Chloride (CL EPA Method 300.0 ANIONS) The results are recapped in table below (Appendix C Analytical Results):

Sample ID	Chloride (mg/kg) EPA Method 300 Anions
SP-28 Bottom 4ft	3200
SP-29 Bottom 4ft	4100
SP-30 North Wall	88
SP-27 South Wall	79
SP-31 Bottom 4ft	4000
SP-32 Bottom 4ft	3200
SP-33 Bottom 4ft	3800
SP-34 South Wall	ND
SP-35 Bottom 4ft	3100
SP-36 Bottom 4ft	3900
SP-37 Bottom 4ft	2900
SP-35 North Wall	94
SP-39 East Wall	420
SP-40 North Wall	460

August 07, 2019 SESI personnel together with personnel and equipment from Akome, Inc. were on site for installation of the liner. Based on the soil analyses confirming bottom chloride levels left in place, and sidewall analyses confirming chloride levels below the NMOCD remediation guideline of 600 ppm; the entire excavation was lined with a 20 mil. Liner and the backfilling with 4 ft. of clean native soil commences (Appendix D Photo Documentation). According to the depth to groundwater for this area: the liner was installed approximately 66 ft. from TOW (top of water).

On August 14, 2019 SESI personnel together with equipment and personnel from Gandy's are on site in order to continue backfilling of lined area. This site has experienced several rain events. The east side of the lease road has been excavated around Test Trench 3 area to the rock bottom. SESI personnel grab soil samples at 6' bgs. and 7' bgs. respectively. Soil sample are properly packaged, preserved, and transported to Hall Laboratories for analyses of Chlorides. Below is a recap of the results:

Hall Laboratories 8-14-19	
Sample Point ID	Chloride
SP1 @ 6ft	390
SP1 @ 7ft	580

These results indicate that the work to excavate the contaminated chlorides from the trench were successful and therefore these are residual chlorides from material that were washed from the sidewalls via the rain events that formed a composite at the bottom of the trench (site remediation map).

August 19, 2019 SESI personnel together with equipment and personnel from Gandy's Inc, are on location and backfilling activity of the lined area on the west side of the lease road is completed, leaving 4 ft. of clean topsoil to facilitate re-vegetation. Upon completion of backfill activity, the area was terraced with dunal feature to correlate with surrounding landscape.

On August 28, 2019 SESI personnel, together with equipment and personnel from Gandy's Inc., are on site in order to complete remediation efforts of the East side of the lease road. 6" bgs. is removed from former reclaimed pad area, as well as pasture area. The area that was previously trenched at the time of the spill was excavated, sidewalls, and bottom are field tested for chlorides to the extent that soil RL's were under the limits. Please note: This area was lined as a proactive measure, at the time of the spill in order to prevent leaching from the spill event. This would explain the results of field analyses, as well as confirmed analyses tabulated below. Based on return results dated August 14, 2019: the area around Test Trench 3 was backfilled to 4' bgs., lined, and backfilled to contour with remaining trenched area (see photo documentation). Furthermore, soil samples are retrieved from reclaimed pad, as well as pasture areas respectively, packaged, preserved, and transported to Hall Laboratories for analyses of Chlorides (CI Method EPA 300), which was the contaminant of concern for this spill event. Below is a recap of the analyses from Hall Laboratories.

Hall Laboratoies 08-28-19	
Sample Point ID	Chloride
SP-1 1ft	60
SP-2 1ft	210
SP-3 1ft	ND
SP-4 1ft	ND
SP-5 1ft	ND
SP-6 1ft	ND
SP-7 1ft	ND
SP-8 1ft	ND
SP-9 West Wall	280
SP-10 East Wall	280
SP-11 Bottom 4ft	260
SP-12 West Wall	220
SP-13 Bottom 4ft	250
SP-14 1ft	200
SP-15 1ft	120
SP-16 1ft	280
SP-17 1ft	270
SP-18 1ft	ND
SP-19 1ft	130
SP-20 1ft	120
C-1 Spoils Pile Composite	140

Based on these results the East side remediation was backfilled with clean native topsoil and restored to surrounding dunal feature. The pasture areas were reseeded in accordance with the landowners' request, in that a custom seed mixture comprised of a Winter Wheat mixture was utilized to minimize erosion of native grass seed and achieve a stand of vegetation prior to Winter season. The lease roads were restored to grade in accordance with landowners' requests and approval.

All contaminated soil was disposed of at Gandy Marley landfill (an NMOCD approved facility). A total of 9,440 yards of impacted soil were disposed of (Disposal Recap of Manifests).

On behalf of Hadaway Consulting, SESI respectfully submits this closure documentation for your consideration and approval.

VII. Figures & Appendices

- Figure 1 - Vicinity Map
- Figure 2 - Site Plan
- Appendix A – C-141
- Appendix B – Groundwater
- Appendix C – Analytical Results
- Appendix D – Photo Documentation
- Appendix E – Seed Description
- Appendix F – Correspondence
- Appendix G – Disposal

Figure 1

Vicinity Map

Legend

- Feature 1
- Sample Point
- Sample Point
- Spill Area

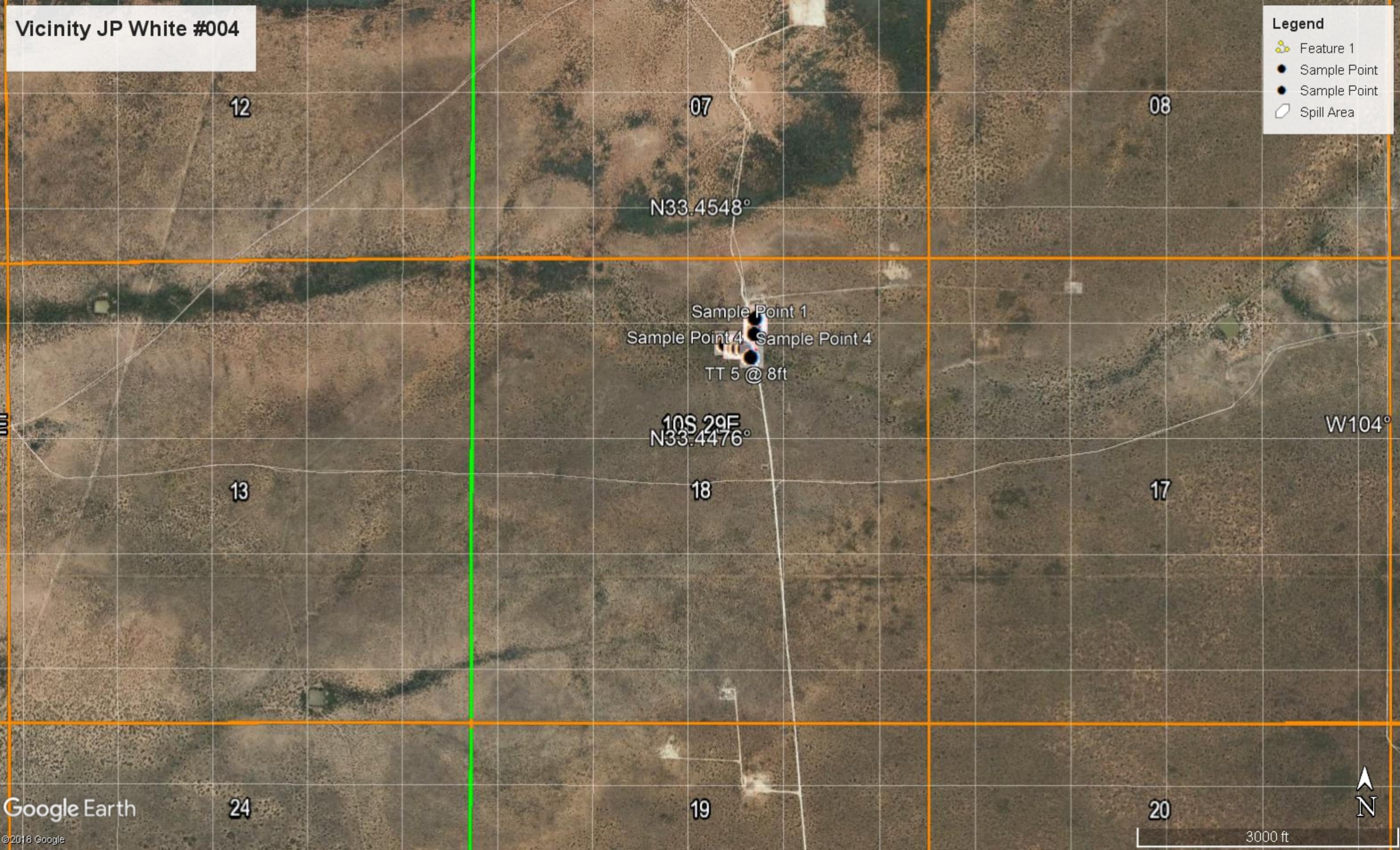


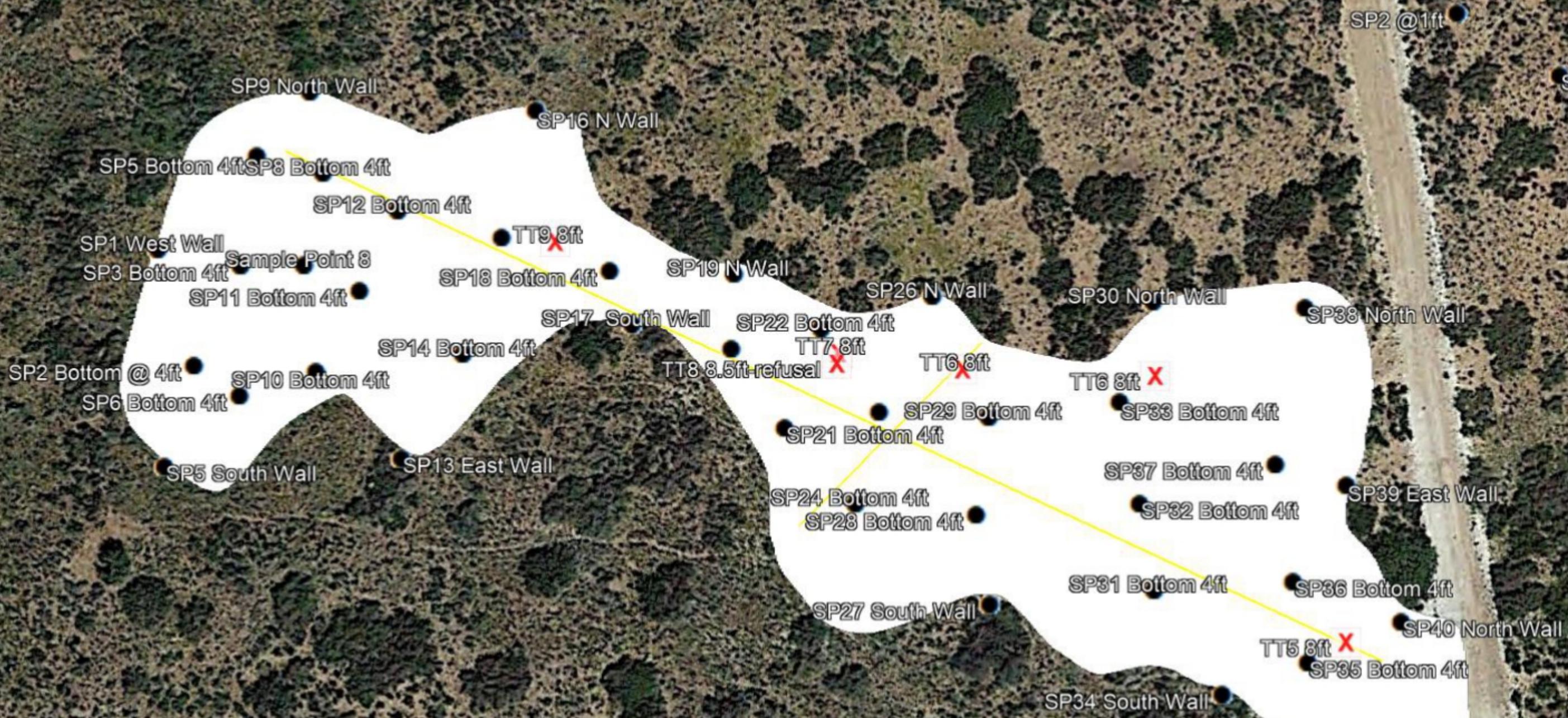
Figure 2 Site Plan

Back Nine Properties

Excavation-Soil Delineation West Side

Legend @ 1ft

- Sample Points
- Spill Area
- Test Trenches

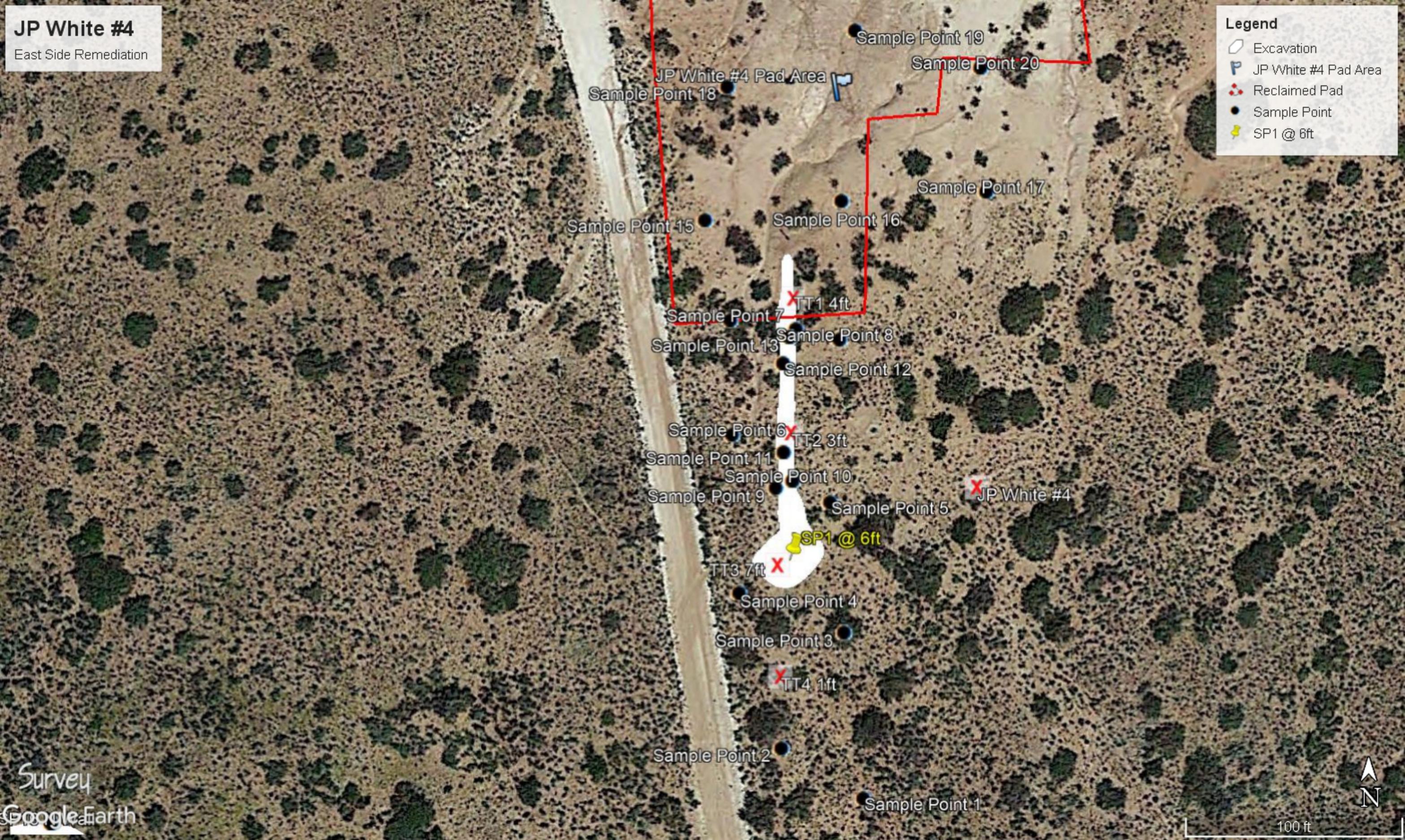


JP White #4

East Side Remediation

Legend

- Excavation
- JP White #4 Pad Area
- Reclaimed Pad
- Sample Point
- SP1 @ 6ft



Appendix A

C-141

Incident ID	NAB1831937668
District RP	2RP-5048
Facility ID	
Application ID	pAB1831934412

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: Allen Hadaway

Title: P.E. TX #61256

Signature: 

Date: 03/13/2019

email: hadaway@hadeng.com

Telephone: 806-323-9811

OCD Only

Received by: _____

Date: _____

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: _____

Printed Name: _____

Title: _____

Appendix B

Groundwater

New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned,

C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q	Q	Q	Sec	Tws	Rng	X	Y	DepthWell	DepthWater	WaterColumn
RA 09670		RA	CH	2	2	2	03	10S	29E	596107	3705129*	587		
RA 10205		RA	CH	3	4	4	03	10S	29E	595918	3703723*	487		
RA 10206		RA	CH	3	4	4	03	10S	29E	595918	3703723*	489		
RA 10838		RA	CH	1	4	1	17	10S	29E	591905	3701467*	100	70	30

Average Depth to Water: **70 feet**
Minimum Depth: **70 feet**
Maximum Depth: **70 feet**

Record Count: 4

PLSS Search:

Township: 10S **Range:** 29E

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

3/6/19 10:52 AM

WATER COLUMN/ AVERAGE
DEPTH TO WATER

Appendix C

Analytical Results



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

March 29, 2019

Bob Allen
Safety & Environmental Solutions
PO Box 1613
Hobbs, NM 88241
TEL: (575) 397-0510
FAX: (575) 393-4388

RE: JP White 4

OrderNo.: 1903991

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 32 sample(s) on 3/21/2019 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a white background.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903991

Date Reported: 3/29/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-1 3ft

Project: JP White 4

Collection Date: 3/18/2019 9:45:00 AM

Lab ID: 1903991-001

Matrix: SOIL

Received Date: 3/21/2019 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	4900	300		mg/Kg	100	3/26/2019 5:42:36 PM	43860
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	220	9.5		mg/Kg	1	3/25/2019 7:52:53 PM	43832
Motor Oil Range Organics (MRO)	130	48		mg/Kg	1	3/25/2019 7:52:53 PM	43832
Surr: DNOP	102	70-130		%Rec	1	3/25/2019 7:52:53 PM	43832
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/24/2019 9:59:31 PM	43820
Surr: BFB	91.2	73.8-119		%Rec	1	3/24/2019 9:59:31 PM	43820
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	3/24/2019 9:59:31 PM	43820
Toluene	ND	0.049		mg/Kg	1	3/24/2019 9:59:31 PM	43820
Ethylbenzene	ND	0.049		mg/Kg	1	3/24/2019 9:59:31 PM	43820
Xylenes, Total	ND	0.097		mg/Kg	1	3/24/2019 9:59:31 PM	43820
Surr: 4-Bromofluorobenzene	95.4	80-120		%Rec	1	3/24/2019 9:59:31 PM	43820

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903991

Date Reported: 3/29/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-1 4ft

Project: JP White 4

Collection Date: 3/18/2019 10:00:00 AM

Lab ID: 1903991-002

Matrix: SOIL

Received Date: 3/21/2019 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	3800	150		mg/Kg	50	3/26/2019 5:55:01 PM	43860
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	190	9.5		mg/Kg	1	3/25/2019 8:41:25 PM	43832
Motor Oil Range Organics (MRO)	130	47		mg/Kg	1	3/25/2019 8:41:25 PM	43832
Surr: DNOP	96.0	70-130		%Rec	1	3/25/2019 8:41:25 PM	43832
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/24/2019 10:23:08 PM	43820
Surr: BFB	90.9	73.8-119		%Rec	1	3/24/2019 10:23:08 PM	43820
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	3/24/2019 10:23:08 PM	43820
Toluene	ND	0.047		mg/Kg	1	3/24/2019 10:23:08 PM	43820
Ethylbenzene	ND	0.047		mg/Kg	1	3/24/2019 10:23:08 PM	43820
Xylenes, Total	ND	0.094		mg/Kg	1	3/24/2019 10:23:08 PM	43820
Surr: 4-Bromofluorobenzene	95.5	80-120		%Rec	1	3/24/2019 10:23:08 PM	43820

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903991

Date Reported: 3/29/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-2 3ft

Project: JP White 4

Collection Date: 3/18/2019 10:30:00 AM

Lab ID: 1903991-003

Matrix: SOIL

Received Date: 3/21/2019 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	2600	150		mg/Kg	50	3/26/2019 6:07:27 PM	43860
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	3/25/2019 9:29:47 PM	43832
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/25/2019 9:29:47 PM	43832
Surr: DNOP	92.5	70-130		%Rec	1	3/25/2019 9:29:47 PM	43832
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/24/2019 10:46:46 PM	43820
Surr: BFB	89.7	73.8-119		%Rec	1	3/24/2019 10:46:46 PM	43820
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	3/24/2019 10:46:46 PM	43820
Toluene	ND	0.048		mg/Kg	1	3/24/2019 10:46:46 PM	43820
Ethylbenzene	ND	0.048		mg/Kg	1	3/24/2019 10:46:46 PM	43820
Xylenes, Total	ND	0.096		mg/Kg	1	3/24/2019 10:46:46 PM	43820
Surr: 4-Bromofluorobenzene	94.7	80-120		%Rec	1	3/24/2019 10:46:46 PM	43820

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903991

Date Reported: 3/29/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-3 6ft

Project: JP White 4

Collection Date: 3/18/2019 10:40:00 AM

Lab ID: 1903991-004

Matrix: SOIL

Received Date: 3/21/2019 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	24000	1500		mg/Kg	500	3/26/2019 6:19:52 PM	43860
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	38	9.2		mg/Kg	1	3/25/2019 9:53:55 PM	43832
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	3/25/2019 9:53:55 PM	43832
Surr: DNOP	94.8	70-130		%Rec	1	3/25/2019 9:53:55 PM	43832
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/24/2019 11:10:19 PM	43820
Surr: BFB	92.6	73.8-119		%Rec	1	3/24/2019 11:10:19 PM	43820
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	3/24/2019 11:10:19 PM	43820
Toluene	ND	0.049		mg/Kg	1	3/24/2019 11:10:19 PM	43820
Ethylbenzene	ND	0.049		mg/Kg	1	3/24/2019 11:10:19 PM	43820
Xylenes, Total	ND	0.098		mg/Kg	1	3/24/2019 11:10:19 PM	43820
Surr: 4-Bromofluorobenzene	97.8	80-120		%Rec	1	3/24/2019 11:10:19 PM	43820

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903991

Date Reported: 3/29/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-3 7ft

Project: JP White 4

Collection Date: 3/18/2019 11:00:00 AM

Lab ID: 1903991-005

Matrix: SOIL

Received Date: 3/21/2019 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	14000	600		mg/Kg	200	3/26/2019 6:57:06 PM	43860
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	45	10		mg/Kg	1	3/25/2019 10:18:00 PM	43832
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/25/2019 10:18:00 PM	43832
Surr: DNOP	87.8	70-130		%Rec	1	3/25/2019 10:18:00 PM	43832
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/24/2019 11:33:47 PM	43820
Surr: BFB	96.1	73.8-119		%Rec	1	3/24/2019 11:33:47 PM	43820
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	3/24/2019 11:33:47 PM	43820
Toluene	ND	0.049		mg/Kg	1	3/24/2019 11:33:47 PM	43820
Ethylbenzene	ND	0.049		mg/Kg	1	3/24/2019 11:33:47 PM	43820
Xylenes, Total	ND	0.098		mg/Kg	1	3/24/2019 11:33:47 PM	43820
Surr: 4-Bromofluorobenzene	100	80-120		%Rec	1	3/24/2019 11:33:47 PM	43820

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903991

Date Reported: 3/29/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-4 Surface

Project: JP White 4

Collection Date: 3/18/2019 11:05:00 AM

Lab ID: 1903991-006

Matrix: SOIL

Received Date: 3/21/2019 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	160	60		mg/Kg	20	3/25/2019 1:07:12 PM	43860
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	16	9.3		mg/Kg	1	3/25/2019 10:42:03 PM	43832
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	3/25/2019 10:42:03 PM	43832
Surr: DNOP	91.5	70-130		%Rec	1	3/25/2019 10:42:03 PM	43832
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/25/2019 12:20:38 AM	43820
Surr: BFB	92.5	73.8-119		%Rec	1	3/25/2019 12:20:38 AM	43820
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	3/25/2019 12:20:38 AM	43820
Toluene	ND	0.047		mg/Kg	1	3/25/2019 12:20:38 AM	43820
Ethylbenzene	ND	0.047		mg/Kg	1	3/25/2019 12:20:38 AM	43820
Xylenes, Total	ND	0.093		mg/Kg	1	3/25/2019 12:20:38 AM	43820
Surr: 4-Bromofluorobenzene	98.2	80-120		%Rec	1	3/25/2019 12:20:38 AM	43820

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903991

Date Reported: 3/29/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-4 1ft

Project: JP White 4

Collection Date: 3/18/2019 11:10:00 AM

Lab ID: 1903991-007

Matrix: SOIL

Received Date: 3/21/2019 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	86	60		mg/Kg	20	3/25/2019 1:19:36 PM	43860
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	3/25/2019 11:06:04 PM	43832
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	3/25/2019 11:06:04 PM	43832
Surr: DNOP	91.0	70-130		%Rec	1	3/25/2019 11:06:04 PM	43832
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	3/25/2019 12:44:05 AM	43820
Surr: BFB	91.2	73.8-119		%Rec	1	3/25/2019 12:44:05 AM	43820
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	3/25/2019 12:44:05 AM	43820
Toluene	ND	0.046		mg/Kg	1	3/25/2019 12:44:05 AM	43820
Ethylbenzene	ND	0.046		mg/Kg	1	3/25/2019 12:44:05 AM	43820
Xylenes, Total	ND	0.093		mg/Kg	1	3/25/2019 12:44:05 AM	43820
Surr: 4-Bromofluorobenzene	95.2	80-120		%Rec	1	3/25/2019 12:44:05 AM	43820

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903991

Date Reported: 3/29/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-5 1ft

Project: JP White 4

Collection Date: 3/18/2019 11:50:00 AM

Lab ID: 1903991-008

Matrix: SOIL

Received Date: 3/21/2019 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	6300	300		mg/Kg	100	3/26/2019 7:09:31 PM	43860
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	3/25/2019 11:30:04 PM	43832
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/25/2019 11:30:04 PM	43832
Surr: DNOP	92.8	70-130		%Rec	1	3/25/2019 11:30:04 PM	43832
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/25/2019 1:07:29 AM	43820
Surr: BFB	92.0	73.8-119		%Rec	1	3/25/2019 1:07:29 AM	43820
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	3/25/2019 1:07:29 AM	43820
Toluene	ND	0.047		mg/Kg	1	3/25/2019 1:07:29 AM	43820
Ethylbenzene	ND	0.047		mg/Kg	1	3/25/2019 1:07:29 AM	43820
Xylenes, Total	ND	0.094		mg/Kg	1	3/25/2019 1:07:29 AM	43820
Surr: 4-Bromofluorobenzene	96.2	80-120		%Rec	1	3/25/2019 1:07:29 AM	43820

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903991

Date Reported: 3/29/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-5 2ft

Project: JP White 4

Collection Date: 3/18/2019 12:15:00 PM

Lab ID: 1903991-009

Matrix: SOIL

Received Date: 3/21/2019 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	8800	300		mg/Kg	100	3/25/2019 5:02:58 PM	43834

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903991

Date Reported: 3/29/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-5 4ft

Project: JP White 4

Collection Date: 3/18/2019 12:30:00 PM

Lab ID: 1903991-010

Matrix: SOIL

Received Date: 3/21/2019 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	4500	150		mg/Kg	50	3/26/2019 7:21:55 PM	43860
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: Irm
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	3/27/2019 7:37:48 PM	43833
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	3/27/2019 7:37:48 PM	43833
Surr: DNOP	99.4	70-130		%Rec	1	3/27/2019 7:37:48 PM	43833
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/25/2019 1:30:53 AM	43820
Surr: BFB	91.2	73.8-119		%Rec	1	3/25/2019 1:30:53 AM	43820
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	3/25/2019 1:30:53 AM	43820
Toluene	ND	0.048		mg/Kg	1	3/25/2019 1:30:53 AM	43820
Ethylbenzene	ND	0.048		mg/Kg	1	3/25/2019 1:30:53 AM	43820
Xylenes, Total	ND	0.096		mg/Kg	1	3/25/2019 1:30:53 AM	43820
Surr: 4-Bromofluorobenzene	95.4	80-120		%Rec	1	3/25/2019 1:30:53 AM	43820

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903991

Date Reported: 3/29/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-5 6ft

Project: JP White 4

Collection Date: 3/18/2019 12:45:00 PM

Lab ID: 1903991-011

Matrix: SOIL

Received Date: 3/21/2019 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	970	60		mg/Kg	20	3/22/2019 5:22:59 PM	43834

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903991

Date Reported: 3/29/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-5 8ft

Project: JP White 4

Collection Date: 3/18/2019 12:50:00 PM

Lab ID: 1903991-012

Matrix: SOIL

Received Date: 3/21/2019 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	250	60		mg/Kg	20	3/25/2019 1:56:49 PM	43860
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: Irm
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	3/27/2019 8:44:46 PM	43833
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	3/27/2019 8:44:46 PM	43833
Surr: DNOP	89.4	70-130		%Rec	1	3/27/2019 8:44:46 PM	43833
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/25/2019 1:54:18 AM	43820
Surr: BFB	91.6	73.8-119		%Rec	1	3/25/2019 1:54:18 AM	43820
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	3/25/2019 1:54:18 AM	43820
Toluene	ND	0.047		mg/Kg	1	3/25/2019 1:54:18 AM	43820
Ethylbenzene	ND	0.047		mg/Kg	1	3/25/2019 1:54:18 AM	43820
Xylenes, Total	ND	0.094		mg/Kg	1	3/25/2019 1:54:18 AM	43820
Surr: 4-Bromofluorobenzene	96.5	80-120		%Rec	1	3/25/2019 1:54:18 AM	43820

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903991

Date Reported: 3/29/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-6 1ft

Project: JP White 4

Collection Date: 3/18/2019 1:55:00 PM

Lab ID: 1903991-013

Matrix: SOIL

Received Date: 3/21/2019 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	7700	300		mg/Kg	100	3/26/2019 7:34:20 PM	43860
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: Irm
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	3/27/2019 9:07:04 PM	43833
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/27/2019 9:07:04 PM	43833
Surr: DNOP	94.9	70-130		%Rec	1	3/27/2019 9:07:04 PM	43833
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/25/2019 9:24:18 AM	43820
Surr: BFB	94.9	73.8-119		%Rec	1	3/25/2019 9:24:18 AM	43820
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	3/25/2019 9:24:18 AM	43820
Toluene	ND	0.049		mg/Kg	1	3/25/2019 9:24:18 AM	43820
Ethylbenzene	ND	0.049		mg/Kg	1	3/25/2019 9:24:18 AM	43820
Xylenes, Total	ND	0.099		mg/Kg	1	3/25/2019 9:24:18 AM	43820
Surr: 4-Bromofluorobenzene	98.8	80-120		%Rec	1	3/25/2019 9:24:18 AM	43820

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903991

Date Reported: 3/29/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-6 2ft

Project: JP White 4

Collection Date: 3/18/2019 2:00:00 PM

Lab ID: 1903991-014

Matrix: SOIL

Received Date: 3/21/2019 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	5600	300		mg/Kg	100	3/25/2019 5:15:23 PM	43834

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903991

Date Reported: 3/29/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-6 4ft

Project: JP White 4

Collection Date: 3/18/2019 2:10:00 PM

Lab ID: 1903991-015

Matrix: SOIL

Received Date: 3/21/2019 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	3600	150		mg/Kg	50	3/26/2019 7:46:44 PM	43860
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: Irm
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	3/27/2019 9:29:17 PM	43833
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/27/2019 9:29:17 PM	43833
Surr: DNOP	93.8	70-130		%Rec	1	3/27/2019 9:29:17 PM	43833
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/25/2019 9:47:49 AM	43820
Surr: BFB	92.7	73.8-119		%Rec	1	3/25/2019 9:47:49 AM	43820
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	3/25/2019 9:47:49 AM	43820
Toluene	ND	0.050		mg/Kg	1	3/25/2019 9:47:49 AM	43820
Ethylbenzene	ND	0.050		mg/Kg	1	3/25/2019 9:47:49 AM	43820
Xylenes, Total	ND	0.10		mg/Kg	1	3/25/2019 9:47:49 AM	43820
Surr: 4-Bromofluorobenzene	96.4	80-120		%Rec	1	3/25/2019 9:47:49 AM	43820

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903991

Date Reported: 3/29/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-6 6ft

Project: JP White 4

Collection Date: 3/18/2019 2:30:00 PM

Lab ID: 1903991-016

Matrix: SOIL

Received Date: 3/21/2019 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	870	60		mg/Kg	20	3/25/2019 2:34:03 PM	43860

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903991

Date Reported: 3/29/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-6 8ft

Project: JP White 4

Collection Date: 3/18/2019 2:40:00 PM

Lab ID: 1903991-017

Matrix: SOIL

Received Date: 3/21/2019 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	520	59		mg/Kg	20	3/25/2019 2:46:29 PM	43860
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: Irm
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	3/27/2019 9:51:37 PM	43833
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	3/27/2019 9:51:37 PM	43833
Surr: DNOP	94.1	70-130		%Rec	1	3/27/2019 9:51:37 PM	43833
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/25/2019 10:11:11 AM	43820
Surr: BFB	93.9	73.8-119		%Rec	1	3/25/2019 10:11:11 AM	43820
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	3/25/2019 10:11:11 AM	43820
Toluene	ND	0.047		mg/Kg	1	3/25/2019 10:11:11 AM	43820
Ethylbenzene	ND	0.047		mg/Kg	1	3/25/2019 10:11:11 AM	43820
Xylenes, Total	ND	0.093		mg/Kg	1	3/25/2019 10:11:11 AM	43820
Surr: 4-Bromofluorobenzene	99.5	80-120		%Rec	1	3/25/2019 10:11:11 AM	43820

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903991

Date Reported: 3/29/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-7 1ft

Project: JP White 4

Collection Date: 3/19/2019 8:35:00 AM

Lab ID: 1903991-018

Matrix: SOIL

Received Date: 3/21/2019 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	8900	300		mg/Kg	100	3/26/2019 7:59:09 PM	43860
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: Irm
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	3/28/2019 2:50:45 PM	43833
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/28/2019 2:50:45 PM	43833
Surr: DNOP	101	70-130		%Rec	1	3/28/2019 2:50:45 PM	43833
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/25/2019 10:34:57 AM	43820
Surr: BFB	94.6	73.8-119		%Rec	1	3/25/2019 10:34:57 AM	43820
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	3/25/2019 10:34:57 AM	43820
Toluene	ND	0.047		mg/Kg	1	3/25/2019 10:34:57 AM	43820
Ethylbenzene	ND	0.047		mg/Kg	1	3/25/2019 10:34:57 AM	43820
Xylenes, Total	ND	0.094		mg/Kg	1	3/25/2019 10:34:57 AM	43820
Surr: 4-Bromofluorobenzene	99.1	80-120		%Rec	1	3/25/2019 10:34:57 AM	43820

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903991

Date Reported: 3/29/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-7 2ft

Project: JP White 4

Collection Date: 3/19/2019 8:45:00 AM

Lab ID: 1903991-019

Matrix: SOIL

Received Date: 3/21/2019 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	8000	300		mg/Kg	100	3/26/2019 8:11:33 PM	43860

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903991

Date Reported: 3/29/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-7 4ft

Project: JP White 4

Collection Date: 3/19/2019 9:00:00 AM

Lab ID: 1903991-020

Matrix: SOIL

Received Date: 3/21/2019 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	1800	60		mg/Kg	20	3/25/2019 4:25:44 PM	43860
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: Irm
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	3/28/2019 3:13:03 PM	43833
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	3/28/2019 3:13:03 PM	43833
Surr: DNOP	101	70-130		%Rec	1	3/28/2019 3:13:03 PM	43833
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/25/2019 10:58:37 AM	43820
Surr: BFB	92.6	73.8-119		%Rec	1	3/25/2019 10:58:37 AM	43820
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	3/25/2019 10:58:37 AM	43820
Toluene	ND	0.048		mg/Kg	1	3/25/2019 10:58:37 AM	43820
Ethylbenzene	ND	0.048		mg/Kg	1	3/25/2019 10:58:37 AM	43820
Xylenes, Total	ND	0.097		mg/Kg	1	3/25/2019 10:58:37 AM	43820
Surr: 4-Bromofluorobenzene	97.3	80-120		%Rec	1	3/25/2019 10:58:37 AM	43820

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903991

Date Reported: 3/29/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-7 6ft

Project: JP White 4

Collection Date: 3/19/2019 9:10:00 AM

Lab ID: 1903991-021

Matrix: SOIL

Received Date: 3/21/2019 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	480	60		mg/Kg	20	3/25/2019 4:38:09 PM	43860

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903991

Date Reported: 3/29/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-7 8ft

Project: JP White 4

Collection Date: 3/19/2019 9:20:00 AM

Lab ID: 1903991-022

Matrix: SOIL

Received Date: 3/21/2019 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	120	59		mg/Kg	20	3/25/2019 4:50:33 PM	43860
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: Irm
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	3/28/2019 3:35:26 PM	43833
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	3/28/2019 3:35:26 PM	43833
Surr: DNOP	104	70-130		%Rec	1	3/28/2019 3:35:26 PM	43833
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/25/2019 11:22:18 AM	43820
Surr: BFB	93.9	73.8-119		%Rec	1	3/25/2019 11:22:18 AM	43820
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	3/25/2019 11:22:18 AM	43820
Toluene	ND	0.050		mg/Kg	1	3/25/2019 11:22:18 AM	43820
Ethylbenzene	ND	0.050		mg/Kg	1	3/25/2019 11:22:18 AM	43820
Xylenes, Total	ND	0.099		mg/Kg	1	3/25/2019 11:22:18 AM	43820
Surr: 4-Bromofluorobenzene	98.6	80-120		%Rec	1	3/25/2019 11:22:18 AM	43820

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903991

Date Reported: 3/29/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-8 1ft

Project: JP White 4

Collection Date: 3/19/2019 9:35:00 AM

Lab ID: 1903991-023

Matrix: SOIL

Received Date: 3/21/2019 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	10000	600		mg/Kg	200	3/27/2019 5:25:38 PM	43879
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: Irm
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	3/28/2019 3:57:24 PM	43833
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	3/28/2019 3:57:24 PM	43833
Surr: DNOP	106	70-130		%Rec	1	3/28/2019 3:57:24 PM	43833
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/25/2019 11:45:52 AM	43820
Surr: BFB	92.9	73.8-119		%Rec	1	3/25/2019 11:45:52 AM	43820
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	3/25/2019 11:45:52 AM	43820
Toluene	ND	0.048		mg/Kg	1	3/25/2019 11:45:52 AM	43820
Ethylbenzene	ND	0.048		mg/Kg	1	3/25/2019 11:45:52 AM	43820
Xylenes, Total	ND	0.096		mg/Kg	1	3/25/2019 11:45:52 AM	43820
Surr: 4-Bromofluorobenzene	98.2	80-120		%Rec	1	3/25/2019 11:45:52 AM	43820

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903991

Date Reported: 3/29/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-8 2ft

Project: JP White 4

Collection Date: 3/19/2019 9:55:00 AM

Lab ID: 1903991-024

Matrix: SOIL

Received Date: 3/21/2019 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	8600	600		mg/Kg	200	3/27/2019 5:38:02 PM	43879

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903991

Date Reported: 3/29/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-8 4ft

Project: JP White 4

Collection Date: 3/19/2019 10:05:00 AM

Lab ID: 1903991-025

Matrix: SOIL

Received Date: 3/21/2019 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	7400	300		mg/Kg	100	3/27/2019 5:50:27 PM	43879
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: Irm
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	3/28/2019 4:19:32 PM	43833
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/28/2019 4:19:32 PM	43833
Surr: DNOP	102	70-130		%Rec	1	3/28/2019 4:19:32 PM	43833
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	3/25/2019 12:09:19 PM	43820
Surr: BFB	92.6	73.8-119		%Rec	1	3/25/2019 12:09:19 PM	43820
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	3/25/2019 12:09:19 PM	43820
Toluene	ND	0.046		mg/Kg	1	3/25/2019 12:09:19 PM	43820
Ethylbenzene	ND	0.046		mg/Kg	1	3/25/2019 12:09:19 PM	43820
Xylenes, Total	ND	0.093		mg/Kg	1	3/25/2019 12:09:19 PM	43820
Surr: 4-Bromofluorobenzene	97.6	80-120		%Rec	1	3/25/2019 12:09:19 PM	43820

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903991

Date Reported: 3/29/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-8 6ft

Project: JP White 4

Collection Date: 3/19/2019 10:25:00 AM

Lab ID: 1903991-026

Matrix: SOIL

Received Date: 3/21/2019 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	1700	61		mg/Kg	20	3/26/2019 3:01:16 PM	43879

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903991

Date Reported: 3/29/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-8 8ft

Project: JP White 4

Collection Date: 3/19/2019 10:35:00 AM

Lab ID: 1903991-027

Matrix: SOIL

Received Date: 3/21/2019 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	750	60		mg/Kg	20	3/26/2019 3:38:31 PM	43879
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: Irm
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	3/28/2019 4:41:34 PM	43833
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/28/2019 4:41:34 PM	43833
Surr: DNOP	101	70-130		%Rec	1	3/28/2019 4:41:34 PM	43833
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/25/2019 12:32:49 PM	43820
Surr: BFB	92.6	73.8-119		%Rec	1	3/25/2019 12:32:49 PM	43820
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	3/25/2019 12:32:49 PM	43820
Toluene	ND	0.047		mg/Kg	1	3/25/2019 12:32:49 PM	43820
Ethylbenzene	ND	0.047		mg/Kg	1	3/25/2019 12:32:49 PM	43820
Xylenes, Total	ND	0.093		mg/Kg	1	3/25/2019 12:32:49 PM	43820
Surr: 4-Bromofluorobenzene	97.3	80-120		%Rec	1	3/25/2019 12:32:49 PM	43820

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903991

Date Reported: 3/29/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-9 1ft

Project: JP White 4

Collection Date: 3/19/2019 11:05:00 AM

Lab ID: 1903991-028

Matrix: SOIL

Received Date: 3/21/2019 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	14000	600		mg/Kg	200	3/27/2019 6:02:51 PM	43879
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: Irm
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	3/28/2019 5:03:38 PM	43833
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	3/28/2019 5:03:38 PM	43833
Surr: DNOP	104	70-130		%Rec	1	3/28/2019 5:03:38 PM	43833
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/25/2019 12:56:24 PM	43820
Surr: BFB	93.5	73.8-119		%Rec	1	3/25/2019 12:56:24 PM	43820
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	3/25/2019 12:56:24 PM	43820
Toluene	ND	0.049		mg/Kg	1	3/25/2019 12:56:24 PM	43820
Ethylbenzene	ND	0.049		mg/Kg	1	3/25/2019 12:56:24 PM	43820
Xylenes, Total	ND	0.098		mg/Kg	1	3/25/2019 12:56:24 PM	43820
Surr: 4-Bromofluorobenzene	98.4	80-120		%Rec	1	3/25/2019 12:56:24 PM	43820

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903991

Date Reported: 3/29/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-9 2ft

Project: JP White 4

Collection Date: 3/19/2019 11:15:00 AM

Lab ID: 1903991-029

Matrix: SOIL

Received Date: 3/21/2019 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	5700	300		mg/Kg	100	3/27/2019 6:40:04 PM	43879

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903991

Date Reported: 3/29/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-9 4ft

Project: JP White 4

Collection Date: 3/19/2019 11:20:00 AM

Lab ID: 1903991-030

Matrix: SOIL

Received Date: 3/21/2019 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	5400	300		mg/Kg	100	3/27/2019 6:52:28 PM	43879
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: Irm
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	3/28/2019 5:25:44 PM	43833
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/28/2019 5:25:44 PM	43833
Surr: DNOP	102	70-130		%Rec	1	3/28/2019 5:25:44 PM	43833
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	3/25/2019 6:01:51 PM	43828
Surr: BFB	92.0	73.8-119		%Rec	1	3/25/2019 6:01:51 PM	43828
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	3/25/2019 6:01:51 PM	43828
Toluene	ND	0.046		mg/Kg	1	3/25/2019 6:01:51 PM	43828
Ethylbenzene	ND	0.046		mg/Kg	1	3/25/2019 6:01:51 PM	43828
Xylenes, Total	ND	0.092		mg/Kg	1	3/25/2019 6:01:51 PM	43828
Surr: 4-Bromofluorobenzene	97.0	80-120		%Rec	1	3/25/2019 6:01:51 PM	43828

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903991

Date Reported: 3/29/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-9 6ft

Project: JP White 4

Collection Date: 3/19/2019 11:40:00 AM

Lab ID: 1903991-031

Matrix: SOIL

Received Date: 3/21/2019 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	540	60		mg/Kg	20	3/26/2019 4:53:00 PM	43879

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903991

Date Reported: 3/29/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-9 8ft

Project: JP White 4

Collection Date: 3/19/2019 11:55:00 AM

Lab ID: 1903991-032

Matrix: SOIL

Received Date: 3/21/2019 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	370	60		mg/Kg	20	3/26/2019 5:05:24 PM	43879
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: Irm
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	3/28/2019 5:47:53 PM	43833
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/28/2019 5:47:53 PM	43833
Surr: DNOP	97.5	70-130		%Rec	1	3/28/2019 5:47:53 PM	43833
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	3/25/2019 6:25:22 PM	43828
Surr: BFB	93.0	73.8-119		%Rec	1	3/25/2019 6:25:22 PM	43828
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	3/25/2019 6:25:22 PM	43828
Toluene	ND	0.046		mg/Kg	1	3/25/2019 6:25:22 PM	43828
Ethylbenzene	ND	0.046		mg/Kg	1	3/25/2019 6:25:22 PM	43828
Xylenes, Total	ND	0.093		mg/Kg	1	3/25/2019 6:25:22 PM	43828
Surr: 4-Bromofluorobenzene	98.4	80-120		%Rec	1	3/25/2019 6:25:22 PM	43828

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1903991

29-Mar-19

Client: Safety & Environmental Solutions
Project: JP White 4

Sample ID: MB-43834	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 43834	RunNo: 58569								
Prep Date: 3/22/2019	Analysis Date: 3/22/2019	SeqNo: 1967075	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-43834	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 43834	RunNo: 58569								
Prep Date: 3/22/2019	Analysis Date: 3/22/2019	SeqNo: 1967076	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.8	90	110			

Sample ID: MB-43860	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 43860	RunNo: 58599								
Prep Date: 3/25/2019	Analysis Date: 3/25/2019	SeqNo: 1968747	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-43860	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 43860	RunNo: 58599								
Prep Date: 3/25/2019	Analysis Date: 3/25/2019	SeqNo: 1968748	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.2	90	110			

Sample ID: MB-43879	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 43879	RunNo: 58632								
Prep Date: 3/26/2019	Analysis Date: 3/26/2019	SeqNo: 1969916	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-43879	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 43879	RunNo: 58632								
Prep Date: 3/26/2019	Analysis Date: 3/26/2019	SeqNo: 1969917	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.7	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified at testcode
- H Holding times for preparation or analysis exceeded
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1903991

29-Mar-19

Client: Safety & Environmental Solutions

Project: JP White 4

Sample ID: MB-43832	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 43832	RunNo: 58604								
Prep Date: 3/22/2019	Analysis Date: 3/25/2019	SeqNo: 1968699	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.3		10.00		92.6	70	130			

Sample ID: LCS-43832	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 43832	RunNo: 58604								
Prep Date: 3/22/2019	Analysis Date: 3/25/2019	SeqNo: 1968700	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	86.4	63.9	124			
Surr: DNOP	4.4		5.000		87.8	70	130			

Sample ID: MB-43833	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 43833	RunNo: 58623								
Prep Date: 3/22/2019	Analysis Date: 3/26/2019	SeqNo: 1969454	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	5.0		10.00		50.1	70	130			S

Sample ID: MB-43833	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 43833	RunNo: 58692								
Prep Date: 3/22/2019	Analysis Date: 3/27/2019	SeqNo: 1971266	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.5		10.00		94.7	70	130			

Sample ID: LCS-43833	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 43833	RunNo: 58692								
Prep Date: 3/22/2019	Analysis Date: 3/27/2019	SeqNo: 1971268	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	95.4	63.9	124			
Surr: DNOP	4.6		5.000		92.4	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified at testcode
- H Holding times for preparation or analysis exceeded
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1903991

29-Mar-19

Client: Safety & Environmental Solutions

Project: JP White 4

Sample ID: 1903991-010AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: TT-5 4ft	Batch ID: 43833	RunNo: 58692								
Prep Date: 3/22/2019	Analysis Date: 3/27/2019	SeqNo: 1971271 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	9.7	48.54	0	104	53.5	126			
Surr: DNOP	4.4		4.854		91.1	70	130			

Sample ID: 1903991-010AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: TT-5 4ft	Batch ID: 43833	RunNo: 58692								
Prep Date: 3/22/2019	Analysis Date: 3/27/2019	SeqNo: 1971272 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	9.8	49.16	0	96.5	53.5	126	6.41	21.7	
Surr: DNOP	4.0		4.916		81.4	70	130	0	0	

Qualifiers:

* Value exceeds Maximum Contaminant Level.

ND Not Detected at the Reporting Limit

RL Reporting Detection Limit

W Sample container temperature is out of limit as specified at testcode

H Holding times for preparation or analysis exceeded

PQL Practical Quantitative Limit

S % Recovery outside of range due to dilution or matrix

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1903991

29-Mar-19

Client: Safety & Environmental Solutions

Project: JP White 4

Sample ID: MB-43820	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 43820	RunNo: 58579								
Prep Date: 3/21/2019	Analysis Date: 3/24/2019	SeqNo: 1966841	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	930		1000		93.5	73.8	119			

Sample ID: LCS-43820	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 43820	RunNo: 58579								
Prep Date: 3/21/2019	Analysis Date: 3/24/2019	SeqNo: 1966842	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	97.6	80.1	123			
Surr: BFB	1100		1000		109	73.8	119			

Sample ID: 1903991-001AMS	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: TT-1 3ft	Batch ID: 43820	RunNo: 58579								
Prep Date: 3/21/2019	Analysis Date: 3/24/2019	SeqNo: 1966844	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	4.9	24.34	0	104	69.1	142			
Surr: BFB	1000		973.7		104	73.8	119			

Sample ID: 1903991-001AMSD	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: TT-1 3ft	Batch ID: 43820	RunNo: 58579								
Prep Date: 3/21/2019	Analysis Date: 3/24/2019	SeqNo: 1966845	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	4.7	23.63	0	105	69.1	142	1.63	20	
Surr: BFB	980		945.2		104	73.8	119	0	0	

Sample ID: MB-43828	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 43828	RunNo: 58605								
Prep Date: 3/22/2019	Analysis Date: 3/25/2019	SeqNo: 1967510	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	970		1000		97.4	73.8	119			

Sample ID: LCS-43828	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 43828	RunNo: 58605								
Prep Date: 3/22/2019	Analysis Date: 3/25/2019	SeqNo: 1967511	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified at testcode
- H Holding times for preparation or analysis exceeded
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1903991

29-Mar-19

Client: Safety & Environmental Solutions

Project: JP White 4

Sample ID: LCS-43828	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 43828	RunNo: 58605								
Prep Date: 3/22/2019	Analysis Date: 3/25/2019	SeqNo: 1967511			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	97.0	80.1	123			
Surr: BFB	1100		1000		106	73.8	119			

Sample ID: 1903991-030AMS	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: TT-9 4ft	Batch ID: 43828	RunNo: 58605								
Prep Date: 3/22/2019	Analysis Date: 3/25/2019	SeqNo: 1967513			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	4.6	23.17	0	94.0	69.1	142			
Surr: BFB	970		926.8		105	73.8	119			

Sample ID: 1903991-030AMSD	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: TT-9 4ft	Batch ID: 43828	RunNo: 58605								
Prep Date: 3/22/2019	Analysis Date: 3/25/2019	SeqNo: 1967514			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	4.9	24.65	0	96.3	69.1	142	8.65	20	
Surr: BFB	1000		986.2		103	73.8	119	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
W	Sample container temperature is out of limit as specified at testcode		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1903991

29-Mar-19

Client: Safety & Environmental Solutions
Project: JP White 4

Sample ID: MB-43820	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 43820	RunNo: 58579								
Prep Date: 3/21/2019	Analysis Date: 3/24/2019	SeqNo: 1966875	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.98		1.000		97.8	80	120			

Sample ID: LCS-43820	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 43820	RunNo: 58579								
Prep Date: 3/21/2019	Analysis Date: 3/24/2019	SeqNo: 1966876	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	96.1	80	120			
Toluene	0.99	0.050	1.000	0	99.3	80	120			
Ethylbenzene	0.99	0.050	1.000	0	99.4	80	120			
Xylenes, Total	3.0	0.10	3.000	0	101	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		102	80	120			

Sample ID: 1903991-002AMS	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: TT-1 4ft	Batch ID: 43820	RunNo: 58579								
Prep Date: 3/21/2019	Analysis Date: 3/24/2019	SeqNo: 1966881	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	0.9814	0	106	63.9	127			
Toluene	1.1	0.049	0.9814	0	111	69.9	131			
Ethylbenzene	1.1	0.049	0.9814	0	111	71	132			
Xylenes, Total	3.3	0.098	2.944	0	112	71.8	131			
Surr: 4-Bromofluorobenzene	0.93		0.9814		94.5	80	120			

Sample ID: 1903991-002AMSD	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: TT-1 4ft	Batch ID: 43820	RunNo: 58579								
Prep Date: 3/21/2019	Analysis Date: 3/24/2019	SeqNo: 1966882	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.024	0.9681	0	110	63.9	127	2.20	20	
Toluene	1.1	0.048	0.9681	0	115	69.9	131	2.30	20	
Ethylbenzene	1.1	0.048	0.9681	0	115	71	132	2.31	20	
Xylenes, Total	3.4	0.097	2.904	0	116	71.8	131	2.25	20	
Surr: 4-Bromofluorobenzene	0.93		0.9681		95.8	80	120	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified at testcode
- H Holding times for preparation or analysis exceeded
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1903991

29-Mar-19

Client: Safety & Environmental Solutions
Project: JP White 4

Sample ID: MB-43828	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 43828	RunNo: 58605								
Prep Date: 3/22/2019	Analysis Date: 3/25/2019	SeqNo: 1967549	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		101	80	120			

Sample ID: LCS-43828	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 43828	RunNo: 58605								
Prep Date: 3/22/2019	Analysis Date: 3/25/2019	SeqNo: 1967550	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	95.7	80	120			
Toluene	0.99	0.050	1.000	0	99.4	80	120			
Ethylbenzene	1.0	0.050	1.000	0	99.7	80	120			
Xylenes, Total	3.0	0.10	3.000	0	100	80	120			
Surr: 4-Bromofluorobenzene	0.99		1.000		99.3	80	120			

Sample ID: 1903991-032AMS	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: TT-9 8ft	Batch ID: 43828	RunNo: 58605								
Prep Date: 3/22/2019	Analysis Date: 3/25/2019	SeqNo: 1967553	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.024	0.9615	0	92.4	63.9	127			
Toluene	0.93	0.048	0.9615	0	96.8	69.9	131			
Ethylbenzene	0.93	0.048	0.9615	0	96.8	71	132			
Xylenes, Total	2.8	0.096	2.885	0	98.0	71.8	131			
Surr: 4-Bromofluorobenzene	0.94		0.9615		97.8	80	120			

Sample ID: 1903991-032AMSD	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: TT-9 8ft	Batch ID: 43828	RunNo: 58605								
Prep Date: 3/22/2019	Analysis Date: 3/25/2019	SeqNo: 1967554	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.023	0.9381	0	93.4	63.9	127	1.48	20	
Toluene	0.91	0.047	0.9381	0	97.0	69.9	131	2.21	20	
Ethylbenzene	0.91	0.047	0.9381	0	97.1	71	132	2.13	20	
Xylenes, Total	2.8	0.094	2.814	0	98.7	71.8	131	1.83	20	
Surr: 4-Bromofluorobenzene	0.93		0.9381		99.6	80	120	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified at testcode
- H Holding times for preparation or analysis exceeded
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix

Sample Log-In Check List

Client Name: **Safety Env Solutions**

Work Order Number: **1903991**

RcptNo: **1**

Received By: **Erin Melendrez**

3/21/2019 9:05:00 AM

EM

Completed By: **Leah Baca**

3/21/2019 11:26:09 AM

Leah Baca

Reviewed By: **ENM**

3/21/19

LB YG 3/21/19

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present

2. How was the sample delivered? Client

Log In

3. Was an attempt made to cool the samples? Yes No NA

4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA

5. Sample(s) in proper container(s)? Yes No

6. Sufficient sample volume for indicated test(s)? Yes No

7. Are samples (except VOA and ONG) properly preserved? Yes No

8. Was preservative added to bottles? Yes No NA

9. VOA vials have zero headspace? Yes No No VOA Vials

10. Were any sample containers received broken? Yes No

of preserved bottles checked for pH: _____
 (<2 or >12 unless noted)
 Adjusted? _____
 Checked by: **YG 3/21/19**

11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes No

12. Are matrices correctly identified on Chain of Custody? Yes No

13. Is it clear what analyses were requested? Yes No

14. Were all holding times able to be met? (If no, notify customer for authorization.) Yes No

Special Handling (if applicable)

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

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.1	Good	Yes			

Chain-of-Custody Record

Client: Safety & Environmental Solutions

Mailing Address: 703 E. Clifton Hobbs NM 88240

Phone #: 575-347-0570

email or Fax#: _____

QA/QC Package: Standard Level 4 (Full Validation) Other

Accreditation: NELAP Other

EDD (Type) _____

Turn-Around Time: Standard Rush

Project Name: JP WHITE #4

Project #: TRAC-19-001

Project Manager: Ally Bob

Sampler: Sam Young

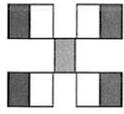
On Ice: Yes No

Sample Temperature: 4.1°C

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.
03/18	0945	S	TI-1 3FF	1	Tu	1903991
03/18	1000	S	TI-1 4FF	1	Next	-001
03/18	1030	S	TI-2 3FF	1	}	-002
03/18	1040	S	TI-3 6FF	1		-003
03/18	1100	S	TI-3 7FF	1		-004
03/18	1105	S	TI-4 Sample	1		-005
03/18	1110	S	TI-4 1FF	1		-006
03/18	1150	S	TI-5 1FF	1		-007
03/18	1215	S	TI-5 2FF	1		-008
03/18	1230	S	TI-5 4FF	1		-009
03/18	1245	S	TI-5 6FF	1	-010	
03/18	1250	S	TI-5 8FF	1	-011	
03/18	1300	S	TI-5 8FF	1	-012	

Received by: Sam Young Date: 3/20/19 Time: 0900

Relinquished by: White Date: 3/21/19 Time: 0805



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com
 4901 Hawkins NE - Albuquerque, NM 87109
 Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

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

Remarks:

Chain-of-Custody Record

Client: Safety & Environmental Solutions
 Mailing Address: 707 E. Clinton
Albuquerque NM 88240
 Phone #: 575-397-0570
 email or Fax#: _____
 QA/QC Package: Level 4 (Full Validation)
 Standard Other _____
 Accreditation NELAP Other _____
 EDD (Type) _____

Turn-Around Time: 5 Day Rush
 Standard Rush
 Project Name: J.P. White #4
 Project #: BAK-19-001
 Project Manager: Allen
 Sampler: Son Jun
 On Ice: Yes No
 Sample Temperature: 4.0c

HALL ENVIRONMENTAL ANALYSIS LABORATORY
 www.hallenvironmental.com
 4901 Hawkins NE - Albuquerque, NM 87109
 Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.
03/18	0155	S	7T-6 1F			1903991
03/18	0205	S	7T-6 2F			-013
03/18	0210	S	7T-6 4F			-014
03/18	0230	S	7T-6 6F			-015
03/18	0240	S	7T-6 8F			-016
03/19	0835	S	7T-7 1F			-017
03/19	0845	S	7T-7 2F			-018
03/19	0900	S	7T-7 4F			-019
03/19	0910	S	7T-7 6F			-020
03/19	0920	S	7T-7 8F			-021
						-022
						-023
						-024

Date	Time	Relinquished by:	Relinquished by:	Date	Time	Remarks:
03/20	0800	<u>Son Jun</u>	<u>Son Jun</u>	3/20/19	0900	
03/20	1900	<u>Allen</u>	<u>Allen</u>	3/21/19	0905	

Analysis Request	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F, Cl, NO ₃ , NO ₂ , PO ₄ , SO ₄)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	1374 (8021)	Chloride	Air Bubbles (Y or N)
			X									X	X	
			X									X	X	
			X									X	X	
			X									X	X	
			X									X	X	
			X									X	X	
			X									X	X	
			X									X	X	
			X									X	X	
			X									X	X	

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: Synergy & Environmental Solutions

Mailing Address: 703 E. Clifton
Hobbs NM 88250

Phone #: 575-397-0510

email or Fax#: _____

QA/QC Package: Standard Level 4 (Full Validation) Other

Accreditation: NELAP Other

EDD (Type) _____

Turn-Around Time: 5-Day Rush
 Standard Rush

Project Name: JP with REF #4

Project #: BAC-19-001

Project Manager: Allen Barb

Sampler: Sarah Junk

On Ice: Yes No

Sample Temperature: 4.1°C

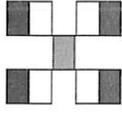
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.
03/19	0935	S	7T-8 1FT			1903991
03/19	0955	S	7T-8 2FT			-23-025
03/19	1005	S	7T-8 4FT			-24-026
03/19	1025	S	7T-8 6FT			-25-027
03/19	1035	S	7T-8 8FT			-26-028
03/19	1105	S	7T-9 1FT			-27-029
03/19	1115	S	7T-9 2FT			-28-030
03/19	1120	S	7T-9 4FT			-29-031
03/19	1140	S	7T-9 6FT			-30-032
03/19	1155	S	7T-9 8FT			-32-034

Date: 03/20 Time: 0800 Relinquished by: Sarah Junk

Date: 3/20/19 Time: 1900 Relinquished by: [Signature]

Received by: [Signature] Date: 3/20/19 Time: 0900

Received by: W. Barber Date: 3/21/19 Time: 0905



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

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

Remarks:



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

July 23, 2019

Jerry Sosa
Safety & Environmental Solutions
PO Box 1613
Hobbs, NM 88241
TEL: (575) 397-0510
FAX: (575) 393-4388

RE: J P White 4

OrderNo.: 1907747

Dear Jerry Sosa:

Hall Environmental Analysis Laboratory received 15 sample(s) on 7/16/2019 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order: 1907747

Date Reported: 7/23/2019

CLIENT: Safety & Environmental Solutions

Lab Order: 1907747

Project: J P White 4

Lab ID: 1907747-001

Collection Date: 7/10/2019 8:30:00 AM

Client Sample ID: SP-1 WEST WALL

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
----------	--------	----	------	-------	----	---------------	----------

EPA METHOD 300.0: ANIONS

Analyst: **smb**

Chloride	ND	60		mg/Kg	20	7/18/2019 4:09:06 PM	46249
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Lab ID: 1907747-002

Collection Date: 7/10/2019 8:45:00 AM

Client Sample ID: SP-9 NORTH WALL

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
----------	--------	----	------	-------	----	---------------	----------

EPA METHOD 300.0: ANIONS

Analyst: **smb**

Chloride	ND	60		mg/Kg	20	7/18/2019 4:21:31 PM	46249
----------	----	----	--	-------	----	----------------------	-------

Lab ID: 1907747-003

Collection Date: 7/10/2019 12:10:00 PM

Client Sample ID: SP-5 SOUTH WALL

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
----------	--------	----	------	-------	----	---------------	----------

EPA METHOD 300.0: ANIONS

Analyst: **smb**

Chloride	ND	60		mg/Kg	20	7/18/2019 4:33:56 PM	46249
----------	----	----	--	-------	----	----------------------	-------

Lab ID: 1907747-004

Collection Date: 7/10/2019 1:00:00 PM

Client Sample ID: SP-13 EAST WALL

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
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EPA METHOD 300.0: ANIONS

Analyst: **smb**

Chloride	ND	60		mg/Kg	20	7/18/2019 4:46:20 PM	46249
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Lab ID: 1907747-005

Collection Date: 7/10/2019 1:30:00 PM

Client Sample ID: SP-4 BOTTOM 4FT

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
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EPA METHOD 300.0: ANIONS

Analyst: **MRA**

Chloride	3700	150		mg/Kg	50	7/22/2019 7:34:00 PM	46271
----------	------	-----	--	-------	----	----------------------	-------

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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order: 1907747

Date Reported: 7/23/2019

CLIENT: Safety & Environmental Solutions

Lab Order: 1907747

Project: J P White 4

Lab ID: 1907747-006

Collection Date: 7/10/2019 2:20:00 PM

Client Sample ID: SP-6 BOTTOM 4FT

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
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EPA METHOD 300.0: ANIONS

Analyst: MRA

Chloride	3600	150		mg/Kg	50	7/22/2019 7:46:25 PM	46271
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Lab ID: 1907747-007

Collection Date: 7/15/2019 9:15:00 AM

Client Sample ID: SP-2 BOTTOM 4FT

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
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EPA METHOD 300.0: ANIONS

Analyst: MRA

Chloride	2200	60		mg/Kg	20	7/19/2019 4:25:29 PM	46271
----------	------	----	--	-------	----	----------------------	-------

Lab ID: 1907747-008

Collection Date: 7/15/2019 9:40:00 AM

Client Sample ID: SP-3 BOTTOM 4FT

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
----------	--------	----	------	-------	----	---------------	----------

EPA METHOD 300.0: ANIONS

Analyst: MRA

Chloride	1100	60		mg/Kg	20	7/19/2019 5:02:43 PM	46271
----------	------	----	--	-------	----	----------------------	-------

Lab ID: 1907747-009

Collection Date: 7/15/2019 9:55:00 AM

Client Sample ID: SP-7 BOTTOM 4FT

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
----------	--------	----	------	-------	----	---------------	----------

EPA METHOD 300.0: ANIONS

Analyst: MRA

Chloride	2200	60		mg/Kg	20	7/19/2019 5:15:07 PM	46271
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Lab ID: 1907747-010

Collection Date: 7/15/2019 10:15:00 AM

Client Sample ID: SP-8 BOTTOM 4FT

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
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EPA METHOD 300.0: ANIONS

Analyst: MRA

Chloride	2300	60		mg/Kg	20	7/19/2019 5:27:31 PM	46271
----------	------	----	--	-------	----	----------------------	-------

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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order: 1907747

Date Reported: 7/23/2019

CLIENT: Safety & Environmental Solutions

Lab Order: 1907747

Project: J P White 4

Lab ID: 1907747-011

Collection Date: 7/15/2019 12:15:00 PM

Client Sample ID: SP-10 BOTTOM 4FT

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
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EPA METHOD 300.0: ANIONS

Analyst: MRA

Chloride	1100	60		mg/Kg	20	7/19/2019 5:39:56 PM	46271
----------	------	----	--	-------	----	----------------------	-------

Lab ID: 1907747-012

Collection Date: 7/15/2019 12:30:00 PM

Client Sample ID: SP-11 BOTTOM 4FT

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
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EPA METHOD 300.0: ANIONS

Analyst: MRA

Chloride	1100	60		mg/Kg	20	7/19/2019 2:22:23 PM	46281
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Lab ID: 1907747-013

Collection Date: 7/15/2019 12:50:00 PM

Client Sample ID: SP-12 BOTTOM 4FT

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
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EPA METHOD 300.0: ANIONS

Analyst: MRA

Chloride	2300	60		mg/Kg	20	7/19/2019 2:34:48 PM	46281
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Lab ID: 1907747-014

Collection Date: 7/15/2019 1:30:00 PM

Client Sample ID: SP-14 BOTTOM 4FT

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
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EPA METHOD 300.0: ANIONS

Analyst: MRA

Chloride	2000	60		mg/Kg	20	7/19/2019 2:47:12 PM	46281
----------	------	----	--	-------	----	----------------------	-------

Lab ID: 1907747-015

Collection Date: 7/15/2019 2:05:00 PM

Client Sample ID: SP-15 BOTTOM 4FT

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
----------	--------	----	------	-------	----	---------------	----------

EPA METHOD 300.0: ANIONS

Analyst: MRA

Chloride	2000	60		mg/Kg	20	7/19/2019 2:59:37 PM	46281
----------	------	----	--	-------	----	----------------------	-------

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

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1907747

23-Jul-19

Client: Safety & Environmental Solutions

Project: J P White 4

Sample ID: MB-46249	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 46249	RunNo: 61478								
Prep Date: 7/18/2019	Analysis Date: 7/18/2019	SeqNo: 2085062	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-46249	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 46249	RunNo: 61478								
Prep Date: 7/18/2019	Analysis Date: 7/18/2019	SeqNo: 2085063	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.8	90	110			

Sample ID: MB-46271	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 46271	RunNo: 61531								
Prep Date: 7/19/2019	Analysis Date: 7/19/2019	SeqNo: 2085632	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-46271	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 46271	RunNo: 61531								
Prep Date: 7/19/2019	Analysis Date: 7/19/2019	SeqNo: 2085633	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.8	90	110			

Sample ID: MB-46281	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 46281	RunNo: 61532								
Prep Date: 7/19/2019	Analysis Date: 7/19/2019	SeqNo: 2085653	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-46281	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 46281	RunNo: 61532								
Prep Date: 7/19/2019	Analysis Date: 7/19/2019	SeqNo: 2085654	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.5	90	110			

Qualifiers:

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

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

Sample Log-In Check List

Client Name: **Safety Env Solutions**

Work Order Number: **1907747**

RcptNo: 1

Received By: **Leah Baca**

7/16/2019 9:15:00 AM

Leah Baca

Completed By: **Desiree Dominguez**

7/16/2019 11:57:42 AM

DD

Reviewed By: **ENM**

7/16/19

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present

2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes No NA

4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA

5. Sample(s) in proper container(s)? Yes No

6. Sufficient sample volume for indicated test(s)? Yes No

7. Are samples (except VOA and ONG) properly preserved? Yes No

8. Was preservative added to bottles? Yes No NA

9. VOA vials have zero headspace? Yes No No VOA Vials

10. Were any sample containers received broken? Yes No

11. Does paperwork match bottle labels? Yes No
 (Note discrepancies on chain of custody)

12. Are matrices correctly identified on Chain of Custody? Yes No

13. Is it clear what analyses were requested? Yes No

14. Were all holding times able to be met? Yes No
 (If no, notify customer for authorization.)

of preserved bottles checked for pH: _____
 (<2 or >12 unless noted)
 Adjusted? _____
 Checked by: **DAD 7/16/19**

Special Handling (if applicable)

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

Person Notified: _____ Date: _____
 By Whom: _____ Via: eMail Phone Fax In Person
 Regarding: _____
 Client Instructions: _____

16. Additional remarks:

Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.7	Good	Not Present			
2	5.5	Good	Not Present			

Chain-of-Custody Record

Client: Safety + Environmental Solutions

Mailing Address: 703 E Clinton

Hobbs NM 88240

Phone #: 575-397-0510

email or Fax#:

QA/QC Package:

Standard Level 4 (Full Validation)

Accreditation: AZ Compliance

NELAC Other

EDD (Type)

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
07/10	0830		SP-1 <u>WEST WINDY</u>	1	None	-001
07/10	0845		SP-9 <u>WINDY</u>	1		-002
07/10	1210		SP-5 <u>WINDY</u>	1		-003
07/10	1300		SP-13 <u>WINDY</u>	1		-004
07/10	1330		SP-4 <u>Bottom 4ft</u>	1		-005
07/10	1420		SP-6 <u>Bottom 4ft</u>	1		-006
07/15	0915		SP-2 <u>Bottom 4ft</u>	1		-007
07/15	0940		SP-3 <u>Bottom 4ft</u>	1		-008
07/15	0955		SP-7 <u>Bottom 4ft</u>	1		-009
07/15	1015		SP-8 <u>Bottom 4ft</u>	1		-010
07/15	1215		SP-10 <u>Bottom 4ft</u>	1		-011

Relinquished by:

Jose Sany

Date: 07/15 1600

Relinquished by:

Jose Sany

Date: 7/15/19 1900

Turn-Around Time: 5 Day Rush
 Standard Rush

Project Name:

S.P. WINDY

Project #:

BAC-19-001

Project Manager:

Allen, Bob

Sampler:

Jose Sany

On-Ice: Yes No

of Coolers: 2

Cooler Temp (including CP): 4.6 0.1-4.7C 5.4 0.1-5.5C

TPH:8015D(GRO / DRO / MRO)

8081 Pesticides/8082 PCBs

EDB (Method 504.1)

PAHs by 8310 or 8270SIMS

RCRA 8 Metals

Cl, F, Br, NO₃, NO₂, PO₄, SO₄

8260 (VOA)

8270 (Semi-VOA)

Total Coliform (Present/Absent)

BTEX / MTBE / TMBs (8021)

Analysis Request

Remarks:

Received by: Jose Sany Date: 7/15/19 1600



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Chain-of-Custody Record

Client: Safety & Environmental Solutions

Mailing Address: 703 E. Clinton Ave. Albuquerque NM 87102

Phone #: 505-397-0510

email or Fax#: _____

QA/QC Package: Standard Level 4 (Full Validation)

Accreditation: NELAP Other _____

EDD (Type) _____

Turn-Around Time: 5 Day Rush

Standard Rush

Project Name: J.P. WALTERS

Project #: BAC-19-001

Project Manager: Allen, Bob

Sampler: See Summary

On Ice: Yes No

Sample Temperature: 2 coolers

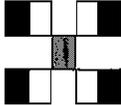
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.
07/15	1230	S	SP11 Boston 450	1	Ice	1907747
07/15	1250	S	SP12 Boston 450	1	None	-012
07/15	1330	S	SP14 Boston 450	1	None	-013
07/15	1405	S	SP15 Boston 450	1	None	-014
						-015

Date: 07/15 Time: 1600 Relinquished by: See Summary

Date: 7/15/19 Time: 1900 Relinquished by: See Summary

Received by: [Signature] Date: 7/15/19 Time: 1600

Received by: [Signature] Date: 7/16/19 Time: 0945



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

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

Remarks: 4.0 + 0.61 = 4.7C
5.41 + 0.4 = 5.5C

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



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

July 26, 2019

Bob Allen
Safety & Environmental Solutions
PO Box 1613
Hobbs, NM 88241
TEL: (575) 397-0510
FAX: (575) 393-4388

RE: J P White 4

OrderNo.: 1907992

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 11 sample(s) on 7/19/2019 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a white background.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1907992

Date Reported: 7/26/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-16 North Wall

Project: J P White 4

Collection Date: 7/17/2019 10:25:00 AM

Lab ID: 1907992-001

Matrix: SOIL

Received Date: 7/19/2019 9:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	7/24/2019 7:06:58 PM	46373

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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1907992

Date Reported: 7/26/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-17 South Wall

Project: J P White 4

Collection Date: 7/17/2019 11:30:00 AM

Lab ID: 1907992-002

Matrix: SOIL

Received Date: 7/19/2019 9:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	7/24/2019 7:19:23 PM	46373

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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1907992

Date Reported: 7/26/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-18 Bottom 4Ft

Project: J P White 4

Collection Date: 7/17/2019 1:15:00 PM

Lab ID: 1907992-003

Matrix: SOIL

Received Date: 7/19/2019 9:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	2400	150		mg/Kg	50	7/25/2019 10:51:18 AM	46373

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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1907992

Date Reported: 7/26/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-19 North Wall

Project: J P White 4

Collection Date: 7/17/2019 2:25:00 PM

Lab ID: 1907992-004

Matrix: SOIL

Received Date: 7/19/2019 9:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	7/24/2019 7:44:12 PM	46373

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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1907992

Date Reported: 7/26/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-20 Bottom 4Ft

Project: J P White 4

Collection Date: 7/18/2019 9:15:00 AM

Lab ID: 1907992-005

Matrix: SOIL

Received Date: 7/19/2019 9:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	1200	60		mg/Kg	20	7/24/2019 7:56:37 PM	46373

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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1907992

Date Reported: 7/26/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-21 Bottom 4Ft

Project: J P White 4

Collection Date: 7/18/2019 10:05:00 AM

Lab ID: 1907992-006

Matrix: SOIL

Received Date: 7/19/2019 9:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	2400	150		mg/Kg	50	7/25/2019 11:03:42 AM	46373

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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1907992

Date Reported: 7/26/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-22 Bottom 4Ft

Project: J P White 4

Collection Date: 7/18/2019 10:20:00 AM

Lab ID: 1907992-007

Matrix: SOIL

Received Date: 7/19/2019 9:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	2300	150		mg/Kg	50	7/25/2019 11:16:06 AM	46374

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

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

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Safety & Environmental Solutions**Client Sample ID:** SP-23 South Wall**Project:** J P White 4**Collection Date:** 7/18/2019 11:15:00 AM**Lab ID:** 1907992-008**Matrix:** SOIL**Received Date:** 7/19/2019 9:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	380	60		mg/Kg	20	7/24/2019 10:13:08 PM	46374

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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1907992

Date Reported: 7/26/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-24 Bottom 4Ft

Project: J P White 4

Collection Date: 7/18/2019 1:15:00 PM

Lab ID: 1907992-009

Matrix: SOIL

Received Date: 7/19/2019 9:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	2300	150		mg/Kg	50	7/25/2019 11:28:31 AM	46374

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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1907992

Date Reported: 7/26/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-25 Bottom 4Ft

Project: J P White 4

Collection Date: 7/18/2019 1:50:00 PM

Lab ID: 1907992-010

Matrix: SOIL

Received Date: 7/19/2019 9:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	1100	60		mg/Kg	20	7/24/2019 11:27:36 PM	46374

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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1907992

Date Reported: 7/26/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-26 North Wall

Project: J P White 4

Collection Date: 7/18/2019 2:25:00 PM

Lab ID: 1907992-011

Matrix: SOIL

Received Date: 7/19/2019 9:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	380	60		mg/Kg	20	7/25/2019 12:04:50 AM	46374

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

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1907992

26-Jul-19

Client: Safety & Environmental Solutions

Project: J P White 4

Sample ID: MB-46373	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 46373	RunNo: 61634								
Prep Date: 7/24/2019	Analysis Date: 7/24/2019	SeqNo: 2089290	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-46373	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 46373	RunNo: 61634								
Prep Date: 7/24/2019	Analysis Date: 7/24/2019	SeqNo: 2089291	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.3	90	110			

Sample ID: MB-46374	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 46374	RunNo: 61634								
Prep Date: 7/24/2019	Analysis Date: 7/24/2019	SeqNo: 2089324	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-46374	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 46374	RunNo: 61634								
Prep Date: 7/24/2019	Analysis Date: 7/24/2019	SeqNo: 2089325	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.4	90	110			

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | 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 | |

Sample Log-In Check List

Client Name: **Safety Env Solutions**

Work Order Number: **1907992**

RcptNo: **1**

Received By: **Desiree Dominguez**

7/19/2019 9:25:00 AM

DD

Completed By: **Erin Melendrez**

7/19/2019 1:13:01 PM

EM

Reviewed By: **ENM**

7/19/19

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes No NA
4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
5. Sample(s) in proper container(s)? Yes No
6. Sufficient sample volume for indicated test(s)? Yes No
7. Are samples (except VOA and ONG) properly preserved? Yes No
8. Was preservative added to bottles? Yes No NA
9. VOA vials have zero headspace? Yes No No VOA Vials
10. Were any sample containers received broken? Yes No
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes No
12. Are matrices correctly identified on Chain of Custody? Yes No
13. Is it clear what analyses were requested? Yes No
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes No

of preserved bottles checked for pH: _____
(<2 or >12 unless noted)
Adjusted? _____
Checked by: DAD 7/19/19

Special Handling (if applicable)

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

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.7	Good	Yes			



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

August 09, 2019

Dave Boyer
Safety & Environmental Solutions
PO Box 1613
Hobbs, NM 88241
TEL: (575) 397-0510
FAX: (575) 393-4388

RE: JP White 4

OrderNo.: 1908106

Dear Dave Boyer:

Hall Environmental Analysis Laboratory received 14 sample(s) on 8/2/2019 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1908106**

Date Reported: **8/9/2019**

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-28 BOTT. 4FT

Project: JP White 4

Collection Date: 7/30/2019 9:30:00 AM

Lab ID: 1908106-001

Matrix: SOIL

Received Date: 8/2/2019 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	3200	150		mg/Kg	50	8/7/2019 5:21:40 PM	46606

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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1908106**

Date Reported: **8/9/2019**

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-29 BOTT. 4FT

Project: JP White 4

Collection Date: 7/30/2019 10:00:00 AM

Lab ID: 1908106-002

Matrix: SOIL

Received Date: 8/2/2019 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	4100	150		mg/Kg	50	8/7/2019 5:34:04 PM	46606

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 Quantitative Limit
- S % Recovery outside of range due to dilution or matrix

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
 Lab Order **1908106**
 Date Reported: **8/9/2019**

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-30 North Wall

Project: JP White 4

Collection Date: 7/30/2019 10:15:00 AM

Lab ID: 1908106-003

Matrix: SOIL

Received Date: 8/2/2019 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	88	60		mg/Kg	20	8/6/2019 3:33:19 PM	46606

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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1908106**

Date Reported: **8/9/2019**

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-27 South Wall

Project: JP White 4

Collection Date: 7/30/2019 10:45:00 AM

Lab ID: 1908106-004

Matrix: SOIL

Received Date: 8/2/2019 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	79	60		mg/Kg	20	8/6/2019 3:45:44 PM	46606

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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1908106**

Date Reported: **8/9/2019**

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-31 BOTT. 4FT

Project: JP White 4

Collection Date: 7/30/2019 12:20:00 PM

Lab ID: 1908106-005

Matrix: SOIL

Received Date: 8/2/2019 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	4000	150		mg/Kg	50	8/7/2019 5:46:28 PM	46606

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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1908106**

Date Reported: **8/9/2019**

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-32 BOTT. 4FT

Project: JP White 4

Collection Date: 7/30/2019 1:00:00 PM

Lab ID: 1908106-006

Matrix: SOIL

Received Date: 8/2/2019 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	3200	150		mg/Kg	50	8/7/2019 6:23:41 PM	46606

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

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



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

August 14, 2019

Rebecca Pons
Safety & Environmental Solutions
PO Box 1613
Hobbs, NM 88241
TEL: (575) 397-0510
FAX: (575) 393-4388

RE: FP White 4

OrderNo.: 1908503

Dear Rebecca Pons:

Hall Environmental Analysis Laboratory received 2 sample(s) on 8/9/2019 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a white background.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1908503

Date Reported: 8/14/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP1 @ 6'

Project: FP White 4

Collection Date: 8/8/2019 1:00:00 PM

Lab ID: 1908503-001

Matrix: SOIL

Received Date: 8/9/2019 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	390	60		mg/Kg	20	8/13/2019 4:18:33 PM	46757

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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1908503

Date Reported: 8/14/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP1 @ 7'

Project: FP White 4

Collection Date: 8/8/2019 1:15:00 PM

Lab ID: 1908503-002

Matrix: SOIL

Received Date: 8/9/2019 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	600	60		mg/Kg	20	8/13/2019 4:30:57 PM	46757

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

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1908503

14-Aug-19

Client: Safety & Environmental Solutions

Project: FP White 4

Sample ID: MB-46757	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 46757	RunNo: 62096								
Prep Date: 8/13/2019	Analysis Date: 8/13/2019	SeqNo: 2108091	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-46757	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 46757	RunNo: 62096								
Prep Date: 8/13/2019	Analysis Date: 8/13/2019	SeqNo: 2108092	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.0	90	110			

Qualifiers:

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

Sample Log-In Check List

Client Name: **Safety Env Solutions**

Work Order Number: **1908503**

RcptNo: **1**

Received By: *Daniel M*

8/9/2019 8:30:00 AM

Completed By: **Leah Baca**

8/9/2019 10:45:33 AM

Reviewed By: *LB*

8/9/19

Leah Baca

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
 2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes No NA
 4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
 5. Sample(s) in proper container(s)? Yes No
 6. Sufficient sample volume for indicated test(s)? Yes No
 7. Are samples (except VOA and ONG) properly preserved? Yes No
 8. Was preservative added to bottles? Yes No NA
 9. VOA vials have zero headspace? Yes No No VOA Vials
 10. Were any sample containers received broken? Yes No
 11. Does paperwork match bottle labels? Yes No
 (Note discrepancies on chain of custody)
 12. Are matrices correctly identified on Chain of Custody? Yes No
 13. Is it clear what analyses were requested? Yes No
 14. Were all holding times able to be met? Yes No
 (If no, notify customer for authorization.)

of preserved bottles checked for pH: _____
 (<2 or >12 unless noted)
 Adjusted? _____
 Checked by: *DAD 8/9/19*

Special Handling (if applicable)

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

Person Notified: _____ Date: _____
 By Whom: _____ Via: eMail Phone Fax In Person
 Regarding: _____
 Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.2	Good	Yes			
2	5.5	Good	Yes			

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1908106

Date Reported: 8/9/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-33 BOTT. 4FT

Project: JP White 4

Collection Date: 7/30/2019 1:30:00 PM

Lab ID: 1908106-007

Matrix: SOIL

Received Date: 8/2/2019 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	3800	150		mg/Kg	50	8/7/2019 6:36:05 PM	46606

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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
 Lab Order **1908106**
 Date Reported: **8/9/2019**

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-34 South Wall

Project: JP White 4

Collection Date: 7/30/2019 1:55:00 PM

Lab ID: 1908106-008

Matrix: SOIL

Received Date: 8/2/2019 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	ND	60		mg/Kg	20	8/6/2019 7:04:14 PM	46621

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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1908106**

Date Reported: **8/9/2019**

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-35 BOTT. 4FT

Project: JP White 4

Collection Date: 8/1/2019 10:30:00 AM

Lab ID: 1908106-009

Matrix: SOIL

Received Date: 8/2/2019 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	3100	150		mg/Kg	50	8/7/2019 6:48:30 PM	46621

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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
 Lab Order **1908106**
 Date Reported: **8/9/2019**

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-36 BOTT. 4FT

Project: JP White 4

Collection Date: 8/1/2019 11:05:00 AM

Lab ID: 1908106-010

Matrix: SOIL

Received Date: 8/2/2019 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	3900	150		mg/Kg	50	8/7/2019 7:00:54 PM	46621

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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1908106**

Date Reported: **8/9/2019**

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-37 BOTT. 4FT

Project: JP White 4

Collection Date: 8/1/2019 11:40:00 AM

Lab ID: 1908106-011

Matrix: SOIL

Received Date: 8/2/2019 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	2900	150		mg/Kg	50	8/7/2019 7:13:19 PM	46621

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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1908106

Date Reported: 8/9/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-38 North Wall

Project: JP White 4

Collection Date: 8/1/2019 12:15:00 PM

Lab ID: 1908106-012

Matrix: SOIL

Received Date: 8/2/2019 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	94	60		mg/Kg	20	8/6/2019 8:43:28 PM	46621

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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1908106**

Date Reported: **8/9/2019**

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-39 East Wall

Project: JP White 4

Collection Date: 8/1/2019 1:10:00 PM

Lab ID: 1908106-013

Matrix: SOIL

Received Date: 8/2/2019 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	420	60		mg/Kg	20	8/6/2019 8:55:53 PM	46621

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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1908106**

Date Reported: **8/9/2019**

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-40 North Wall

Project: JP White 4

Collection Date: 8/1/2019 2:10:00 PM

Lab ID: 1908106-014

Matrix: SOIL

Received Date: 8/2/2019 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	460	59		mg/Kg	20	8/6/2019 9:08:17 PM	46621

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

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1908106

09-Aug-19

Client: Safety & Environmental Solutions
Project: JP White 4

Sample ID: MB-46606	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 46606	RunNo: 61950								
Prep Date: 8/6/2019	Analysis Date: 8/6/2019	SeqNo: 2101140	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-46606	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 46606	RunNo: 61950								
Prep Date: 8/6/2019	Analysis Date: 8/6/2019	SeqNo: 2101141	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.7	90	110			

Sample ID: MB-46621	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 46621	RunNo: 61950								
Prep Date: 8/6/2019	Analysis Date: 8/6/2019	SeqNo: 2101175	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-46621	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 46621	RunNo: 61950								
Prep Date: 8/6/2019	Analysis Date: 8/6/2019	SeqNo: 2101176	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	98.5	90	110			

Qualifiers:

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

Chain-of-Custody Record

Client: Safety & Environmental SOLUTION

Mailing Address: 703 E. CLINTON

Abbs N.M 88240

Phone #: 575-397-0570

email or Fax#:

QA/QC Package:

Standard Level 4 (Full Validation)

Accreditation

NELAP Other

EDD (Type)

Turn-Around Time:

Standard Rush

Project Name:

J.P. WARE #4

Project #:

BAC-19-001

Project Manager:

Allen, Bob

Sampler:

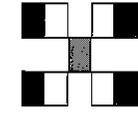
Scott Jony

On Ice: Yes No 11-04-07

Sample Temperature: 5.8-6.4-3.4

HEAL No. 1908106

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.
07/30	0930	S	SP-28 BOTT 4FF	1	Per	-001
07/30	1000	S	SP-29 BOTT 4FF	1	Per	-002
07/30	1015	S	SP-30 Nott used	1		-003
07/30	1045	S	SP-27 SOTT used	1		-004
07/30	1220	S	SP-31 BOTT 4FF	1		-005
07/30	1300	S	SP-32 BOTT 4FF	1		-006
07/30	1330	S	SP-33 BOTT 4FF	1		-007
07/30	1355	S	SP-34 SOTT used	1		-008
08/01	1030	S	SP-35 BOTT 4FF	1		-009
08/01	1105	S	SP-36 BOTT 4FF	1		-010
08/01	1140	S	SP-37 BOTT 4FF	1		-011
08/01	1215	S	SP-38 Nott used	1		-012
Date:	Time:	Relinquished by:	Received by: <u>Scott Jony</u> Date: <u>8/1/9</u> Time: <u>1630</u>			
Date:	Time:	Relinquished by:	Received by: <u>Bob Allen</u> Date: <u>8/2/9</u> Time: <u>9:00</u>			



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

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

Remarks:



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

August 28, 2019

Bob Allen
Safety & Environmental Solutions
PO Box 1613
Hobbs, NM 88241
TEL: (575) 397-0510
FAX: (575) 393-4388

RE: J P White 4 Pads

OrderNo.: 1908B93

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 21 sample(s) on 8/21/2019 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", written in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1908B93**

Date Reported: **8/28/2019**

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-1 1Ft

Project: J P White 4 Pads

Collection Date: 8/13/2019 10:15:00 AM

Lab ID: 1908B93-001

Matrix: SOIL

Received Date: 8/21/2019 9:02:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	8/28/2019 12:08:04 AM	47099

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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1908B93

Date Reported: 8/28/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-2 1Ft

Project: J P White 4 Pads

Collection Date: 8/13/2019 10:50:00 AM

Lab ID: 1908B93-002

Matrix: SOIL

Received Date: 8/21/2019 9:02:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	210	60		mg/Kg	20	8/28/2019 12:20:29 AM	47099

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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1908B93

Date Reported: 8/28/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-3 1Ft

Project: J P White 4 Pads

Collection Date: 8/13/2019 11:10:00 AM

Lab ID: 1908B93-003

Matrix: SOIL

Received Date: 8/21/2019 9:02:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	8/28/2019 12:57:42 AM	47099

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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1908B93

Date Reported: 8/28/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-4 1Ft

Project: J P White 4 Pads

Collection Date: 8/13/2019 12:20:00 PM

Lab ID: 1908B93-004

Matrix: SOIL

Received Date: 8/21/2019 9:02:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	8/28/2019 1:10:07 AM	47099

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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1908B93**

Date Reported: **8/28/2019**

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-5 1Ft

Project: J P White 4 Pads

Collection Date: 8/13/2019 1:10:00 PM

Lab ID: 1908B93-005

Matrix: SOIL

Received Date: 8/21/2019 9:02:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	8/28/2019 1:47:20 AM	47099

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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1908B93

Date Reported: 8/28/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-6 1Ft

Project: J P White 4 Pads

Collection Date: 8/15/2019 9:00:00 AM

Lab ID: 1908B93-006

Matrix: SOIL

Received Date: 8/21/2019 9:02:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	8/28/2019 1:59:44 AM	47099

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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1908B93

Date Reported: 8/28/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-7 1Ft

Project: J P White 4 Pads

Collection Date: 8/15/2019 9:20:00 AM

Lab ID: 1908B93-007

Matrix: SOIL

Received Date: 8/21/2019 9:02:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	8/28/2019 2:12:08 AM	47099

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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1908B93

Date Reported: 8/28/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-8 1Ft

Project: J P White 4 Pads

Collection Date: 8/15/2019 9:45:00 AM

Lab ID: 1908B93-008

Matrix: SOIL

Received Date: 8/21/2019 9:02:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	8/28/2019 2:49:22 AM	47105

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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1908B93

Date Reported: 8/28/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-9 West Wall

Project: J P White 4 Pads

Collection Date: 8/15/2019 10:05:00 AM

Lab ID: 1908B93-009

Matrix: SOIL

Received Date: 8/21/2019 9:02:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	280	60		mg/Kg	20	8/28/2019 3:26:36 AM	47105

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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1908B93**

Date Reported: **8/28/2019**

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-10 East Wall

Project: J P White 4 Pads

Collection Date: 8/15/2019 10:20:00 AM

Lab ID: 1908B93-010

Matrix: SOIL

Received Date: 8/21/2019 9:02:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	280	60		mg/Kg	20	8/28/2019 3:39:01 AM	47105

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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1908B93**

Date Reported: **8/28/2019**

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-11 Bottom 4Ft

Project: J P White 4 Pads

Collection Date: 8/15/2019 10:30:00 AM

Lab ID: 1908B93-011

Matrix: SOIL

Received Date: 8/21/2019 9:02:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	260	60		mg/Kg	20	8/28/2019 4:16:15 AM	47105

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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1908B93

Date Reported: 8/28/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-12 West Wall

Project: J P White 4 Pads

Collection Date: 8/15/2019 12:10:00 PM

Lab ID: 1908B93-012

Matrix: SOIL

Received Date: 8/21/2019 9:02:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	220	60		mg/Kg	20	8/28/2019 4:28:39 AM	47105

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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1908B93

Date Reported: 8/28/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-13 Bottom 4Ft

Project: J P White 4 Pads

Collection Date: 8/15/2019 1:20:00 PM

Lab ID: 1908B93-013

Matrix: SOIL

Received Date: 8/21/2019 9:02:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	250	60		mg/Kg	20	8/28/2019 4:41:03 AM	47105

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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1908B93**

Date Reported: **8/28/2019**

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-14 1Ft

Project: J P White 4 Pads

Collection Date: 8/15/2019 1:40:00 PM

Lab ID: 1908B93-014

Matrix: SOIL

Received Date: 8/21/2019 9:02:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	200	61		mg/Kg	20	8/28/2019 4:53:27 AM	47105

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

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-15 1Ft

Project: J P White 4 Pads

Collection Date: 8/16/2019 10:15:00 AM

Lab ID: 1908B93-015

Matrix: SOIL

Received Date: 8/21/2019 9:02:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	120	60		mg/Kg	20	8/28/2019 5:18:17 AM	47105

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

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-16 1Ft

Project: J P White 4 Pads

Collection Date: 8/16/2019 12:35:00 PM

Lab ID: 1908B93-016

Matrix: SOIL

Received Date: 8/21/2019 9:02:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	280	60		mg/Kg	20	8/28/2019 5:30:42 AM	47105

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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1908B93

Date Reported: 8/28/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-17 1Ft

Project: J P White 4 Pads

Collection Date: 8/16/2019 1:30:00 PM

Lab ID: 1908B93-017

Matrix: SOIL

Received Date: 8/21/2019 9:02:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	270	60		mg/Kg	20	8/28/2019 5:43:06 AM	47105

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

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-18 1Ft

Project: J P White 4 Pads

Collection Date: 8/16/2019 10:00:00 AM

Lab ID: 1908B93-018

Matrix: SOIL

Received Date: 8/21/2019 9:02:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	8/28/2019 5:55:31 AM	47105

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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1908B93**

Date Reported: **8/28/2019**

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-19 1Ft

Project: J P White 4 Pads

Collection Date: 8/16/2019 10:55:00 AM

Lab ID: 1908B93-019

Matrix: SOIL

Received Date: 8/21/2019 9:02:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	130	60		mg/Kg	20	8/28/2019 6:07:56 AM	47105

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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1908B93**

Date Reported: **8/28/2019**

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-20 1Ft

Project: J P White 4 Pads

Collection Date: 8/16/2019 11:25:00 AM

Lab ID: 1908B93-020

Matrix: SOIL

Received Date: 8/21/2019 9:02:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	120	60		mg/Kg	20	8/28/2019 6:45:09 AM	47105

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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1908B93

Date Reported: 8/28/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: C-1 Spoils

Project: J P White 4 Pads

Collection Date: 8/16/2019 1:00:00 PM

Lab ID: 1908B93-021

Matrix: SOIL

Received Date: 8/21/2019 9:02:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	140	60		mg/Kg	20	8/28/2019 6:57:33 AM	47105

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

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1908B93

28-Aug-19

Client: Safety & Environmental Solutions

Project: J P White 4 Pads

Sample ID: MB-47099	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 47099	RunNo: 62447								
Prep Date: 8/27/2019	Analysis Date: 8/27/2019	SeqNo: 2124883	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-47099	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 47099	RunNo: 62447								
Prep Date: 8/27/2019	Analysis Date: 8/27/2019	SeqNo: 2124884	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.8	90	110			

Sample ID: MB-47105	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 47105	RunNo: 62447								
Prep Date: 8/27/2019	Analysis Date: 8/28/2019	SeqNo: 2124915	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-47105	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 47105	RunNo: 62447								
Prep Date: 8/27/2019	Analysis Date: 8/28/2019	SeqNo: 2124916	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.3	90	110			

Qualifiers:

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

Sample Log-In Check List

Client Name: **Safety Env Solutions**

Work Order Number: **1908B93**

RcptNo: 1

Received By: **Isaiah Ortiz**

8/21/2019 9:02:00 AM

I-Ox

Completed By: **Erin Melendrez**

8/21/2019 9:56:20 AM

u.ug

Reviewed By: *LB*

8/21/19

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes No NA
4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
5. Sample(s) in proper container(s)? Yes No
6. Sufficient sample volume for indicated test(s)? Yes No
7. Are samples (except VOA and ONG) properly preserved? Yes No
8. Was preservative added to bottles? Yes No NA
9. VOA vials have zero headspace? Yes No No VOA Vials
10. Were any sample containers received broken? Yes No
11. Does paperwork match bottle labels? Yes No
 (Note discrepancies on chain of custody)
12. Are matrices correctly identified on Chain of Custody? Yes No
13. Is it clear what analyses were requested? Yes No
14. Were all holding times able to be met? Yes No
 (If no, notify customer for authorization.)

of preserved bottles checked for pH: _____
 (<2 or >12 unless noted)
 Adjusted? _____
 Checked by: *DAO 8/21/19*

Special Handling (if applicable)

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

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

16. Additional remarks:

Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.7	Good	Yes			
2	2.3	Good	Yes			

Chain-of-Custody Record

Client: Sofistik + Guzman

Project Name: S.P. White #4 Peds

Mailing Address: 703 E. Clinton

Bobbs NM 88240

Phone #: 575-397-0510

email or Fax#:

QA/QC Package: Standard Level 4 (Full Validation)

Accreditation NELAP Other

EDD (Type)

Sample Temperature: 2.3 - 0.1 (CF) 27.0

Container Type and #

Matrix

Sample Request ID

Date

Time

08/13 10:15

SP-1 15F

S

SP-2 15F

S

SP-3 15F

S

SP-4 15F

S

SP-5 15F

S

SP-6 15F

S

SP-7 15F

S

SP-8 15F

SP-9 15F

S

SP-10 Bottom 415

S

SP-11 Bottom 415

S

SP-12 15F

S

Date: 08/20/19

Time: 1600

Date: 08/19

Time: 1910

Relinquished by: [Signature]

Relinquished by: [Signature]

Received by: [Signature]

Received by: [Signature]

Date: 8/20/19

Time: 1600

Date: 8/20/19

Time: 1600

Remarks: CO-contin 8/21/19 0902

Turn-Around Time: 5 Day Rush
 Standard Rush

Project Name: S.P. White #4 Peds

Project #: BAC-19-001

Project Manager: Allen Bob

Sampler: Sgt Jerry

On Ice: Yes No

Sample Temperature: 2.3 - 0.1 (CF) 27.0

Container Type and #

Preservative Type

HEAL No. 2.3-0.1 (CF) 2.3

1908BA3

-001

-002

-003

-004

-005

-006

-007

-008

-009

-010

-011

-012

Received by: [Signature]

Received by: [Signature]

Date: 8/20/19

Time: 1600

Date: 8/20/19

Time: 1600

Remarks: CO-contin 8/21/19 0902



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

BTEX + MTBE + TMB's (8021)

BTEX + MTBE + TPH (Gas only)

TPH 8015B (GRO / DRO / MRO)

TPH (Method 418.1)

EDB (Method 504.1)

PAH's (8310 or 8270 SIMS)

RCA 8 Metals

Anions (F, Cl, NO₃, NO₂, PO₄, SO₄)

8081 Pesticides / 8082 PCB's

8260B (VOA)

8270 (Semi-VOA)

Air Bubbles (Y or N)

[Handwritten signature]

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: Safety & Environmental Solutions
 Mailing Address: 703 E. Clinton Hobbs NM 88240
 Phone #: 575-397-0510
 email or Fax#:

QA/QC Package:
 Standard Level 4 (Full Validation)
 Accreditation
 NELAP Other
 EDD (Type)

Turn-Around Time:
 Standard Rush
 Project Name:
J&R White of PAAS
 Project #:
BAC-19-001

Project Manager:
Allen, Bob
 Sampler:
Son Jany
 On Ice: Yes No

Sample Temperature: 2.8-0.1 (CF) 2.7 °C

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.
08/15	1320	S	SP-13 Bottom 4ft	1	None	2.4-0.1 (CF) 2.3 °C
08/15	1340	S	SP-14 1ft	1	None	1908B93
08/16	1015	S	SP-15 1ft	1	None	-013
08/16	1235	S	SP-16 1ft	1	None	-014
08/16	1330	S	SP-17 1ft	1	None	-015
08/16	1000	S	SP-18 1ft	1	None	-016
08/16	1055	S	SP-19 1ft	1	None	-017
08/16	1125	S	SP-20 1ft	1	None	-018
08/16	1300	S	C-1 Spoils	1	None	-019
						-020
						-021

Date: 08/20/16 Time: 1600 Relinquished by: Son Jany
 Date: 08/19/19 Time: 0802 Relinquished by: T-O Corrie

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com
 4901 Hawkins NE - Albuquerque, NM 87109
 Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

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

Remarks:

Appendix D Site Photos

Site Photographs

JP White #004
Sec.18, TS 10S, R 29E



Aerial View of Spill Area



West side of lease road Test Trench 5



Previous Pad area that has been excavated



Test Trench 3 facing North



West Side of Lease road Test Trench 5



Location of spill crossing lease road

Site Photographs

JP White #004

West Side of Lease Road Remediation



Excavation-liner West Side of lease road



West side of Lease Road excavation



West end of Liner-West side of Lease Road



East end of liner install-West side of Lease Road



West Side of Lease Road Backfilled



Aerial of West Side Backfill completion

Site Photographs

JP White #004

East Side of Lease Road Remediation



East Side Excavation



East Side Test Trench excavated to 7' bgs



Backfilled to 4' - lined



Aerial of East Side-Completion looking North



Seeding West Side



Seeding East Side

Appendix E

Seed Description

CURTIS & CURTIS SEED

4500 North Prince, Clovis, New Mexico 88101
PH: 575-762-4759 FAX: 575-763-4213

Irrigated Pasture Grasses
Mountain Pasture Grasses
Native Pasture Grasses

Yard and Playground Grasses
Golf Course Grasses
Alfalfa/Clovers

PRICE QUOTATION

TO: Safety Environmental
ATTENTION: Rebecca Green
PHONE:
EMAIL: Rebecca.green59@yahoo.com
PROJECT: DK Boyd Mix

DATE: September 4, 2019
SALESPERSON: Chase Mitchell
SHIPPING DATE: As Directed
FOB: Clovis
TERMS: TBD

DESCRIPTION

PRICE

AMOUNT

DK Boyd Mix:

\$99.41/Acre

COMMON NAME

PLS/ACRE

COMMON NAME	PLS/ACRE
Blue Grama, VNS	1.00
Sideoats Grama, Niner	2.50
Sand Dropseed	0.50
Green Sprangletop	0.50
Plains Bristlegrass	1.50
Alkali Sacaton	0.50
Fourwing Saltbush	0.50
Bearded Wheat	34.66

THIS QUOTE IS GOOD FOR 10 DAYS

ALL PRICES SUBJECT TO AVAILABILITY**SUBJECT TO BEING UNSOLD

Here is our quotation on the goods named, subject to the conditions noted:

The prices and terms on this quotation are not subject to verbal changes or other agreements unless approved in writing by the Home Office of the Seller. All quotations and agreements are contingent upon strikes, accidents, fires, availability of materials and all other causes beyond our control. Prices are based on costs and conditions existing on date of quotation and are subject to change by the Seller before final acceptance.

Typographical and stenographic errors are subject to correction. Purchaser agrees to accept either overage or shortage not in excess of ten percent to be charged for pro-rata. Purchaser assumes liability for patent and copyright infringement when goods are made to Purchaser's specifications. When quotation specifies material to be furnished by the purchaser, ample allowance must be made for reasonable spoilage and material must be of suitable quality to facilitate efficient production. Conditions not specifically stated herein shall be governed by established trade customs. Terms inconsistent with those stated herein, which may appear on Purchaser's formal order will not be binding on the Seller.

THIS AGREEMENT IS BETWEEN:

Buyer: _____ Date: _____ Seller: _____ Date: September 4, 2019

Appendix F

Correspondence

Rebecca Pons

From: Bob Allen
Sent: Thursday, July 11, 2019 1:38 PM
To: ROB HAMLET
Cc: hadaway@hadeng.com; office2@sesi-nm.com; scontreras@sesi-nm.com; books@sesi-nm.com
Subject: JP White #4

Robert,

Thank you for the telephone call this afternoon. As we discussed, I am requesting a variance of the 200 square feet sampling requirement to be increased to 1,000 square feet. In addition, I am requesting a variance regarding the analysis to be run on each sample from BTEX, TPH and Chloride to only Chlorides because that is the only constituent of concern.

You also informed me that the site is in a critical Karst area. The concern here is noted, and the area near SP #3 where the Chloride concentration is 14,000 ppm will be excavated to a depth where the Chloride concentration is < than 10,000 ppm. The excavation will be backfilled with contaminate free soil to the 4' level and included under the liner.

Bob Allen CSP, CHMM
President
Office 575.397.0510
Cell 575.390.7063

Appendix G

Disposal



HADAWAY CONSULTING AND ENG L
 PO BOX 188
 CANADIAN, TX 79014

9/9/2019

Gandy Marley, Inc.

Detailed Report of material for Invoices 28969 thru 28969

P.O. Box 1658 Roswell, NM 88202

Phone 575-347-0434 Fax 575-347-0435

EXEMPT OCD

Origin: JP WHITE #4

Date:	Ticket No:	Description	Transporter:	Cell:	Units	Unit Type:
8/20/2019	26087		Gandy Inc.	LF	20	YARDS
8/20/2019	26091		Gandy Inc.	LF	20	YARDS
8/20/2019	26092		Gandy Inc.	LF	20	YARDS
8/20/2019	26106		Gandy Inc.	LF	20	YARDS
8/20/2019	26107		Gandy Inc.	LF	20	YARDS
8/20/2019	26108		Gandy Inc.	LF	20	YARDS
8/20/2019	26109		Gandy Inc.	LF	20	YARDS
8/20/2019	26110		Gandy Inc.	LF	20	YARDS
8/20/2019	26111		Gandy Inc.	LF	20	YARDS
8/20/2019	26112		Gandy Inc.	LF	20	YARDS
8/20/2019	26113		Gandy Inc.	LF	20	YARDS
8/20/2019	26114		Gandy Inc.	LF	20	YARDS
8/20/2019	26136		Gandy Inc.	LF	20	YARDS
8/21/2019	26170		Gandy Inc.	LF	20	YARDS
8/21/2019	26171		Gandy Inc.	LF	20	YARDS
8/21/2019	26172		Gandy Inc.	LF	20	YARDS

JP WHITE #4 Total YARDS. 320 YARDS

EXEMPT OCD Total YARDS. 320 YARDS

EXEMPT OCD Total Units. 320 Units

HADAWAY CONSULTING AND ENG LLC Total Units. 320 Units



HADAWAY CONSULTING AND ENG L
 PO BOX 188
 CANADIAN, TX 79014

9/9/2019

Gandy Marley, Inc.

Detailed Report of material for Invoices 28895 thru 28895

P.O. Box 1658 Roswell, NM 88202

Phone 575-347-0434 Fax 575-347-0435

EXEMPT OCD

Origin: JP WHITE 4

Date:	Ticket No:	Description	Transporter:	Cell:	Units	Unit Type:
8/2/2019	25323		Gandy Inc.	LF	20	YARDS
8/2/2019	25324		Gandy Inc.	LF	20	YARDS
8/2/2019	25325		Gandy Inc.	LF	20	YARDS
8/5/2019	25382		Gandy Inc.	LF	20	YARDS
8/5/2019	25383		Gandy Inc.	LF	20	YARDS
8/5/2019	25384		Gandy Inc.	LF	20	YARDS
8/5/2019	25385		Gandy Inc.	LF	20	YARDS
8/5/2019	25386		Gandy Inc.	LF	20	YARDS
8/5/2019	25387		Gandy Inc.	LF	20	YARDS
8/5/2019	25388		Gandy Inc.	LF	20	YARDS
8/5/2019	25389		Gandy Inc.	LF	20	YARDS
8/5/2019	25422		Gandy Inc.	LF	20	YARDS
8/5/2019	25425		Gandy Inc.	LF	20	YARDS
8/5/2019	25426		Gandy Inc.	LF	20	YARDS
8/5/2019	25427		Gandy Inc.	LF	20	YARDS
8/5/2019	25428		Gandy Inc.	LF	20	YARDS
8/5/2019	25429		Gandy Inc.	LF	20	YARDS
8/5/2019	25430		Gandy Inc.	LF	20	YARDS
8/5/2019	25431		Gandy Inc.	LF	20	YARDS
8/5/2019	25432		Gandy Inc.	LF	20	YARDS
8/5/2019	25433		Gandy Inc.	LF	20	YARDS
8/5/2019	25434		Gandy Inc.	LF	20	YARDS
8/5/2019	25439		Gandy Inc.	LF	20	YARDS
8/5/2019	25440		Gandy Inc.	LF	20	YARDS
8/5/2019	25441		Gandy Inc.	LF	20	YARDS
8/5/2019	25442		Gandy Inc.	LF	20	YARDS
8/5/2019	25449		Gandy Inc.	LF	20	YARDS
8/6/2019	25471		Gandy Inc.	LF	20	YARDS
8/6/2019	25472		Gandy Inc.	LF	20	YARDS
8/6/2019	25473		Gandy Inc.	LF	20	YARDS



HADAWAY CONSULTING AND ENG L
 PO BOX 188
 CANADIAN, TX 79014

9/9/2019

Gandy Marley, Inc.

Detailed Report of material for Invoices 28895 thru 28895

P.O. Box 1658 Roswell, NM 88202

Phone 575-347-0434 Fax 575-347-0435

8/6/2019	25474	Gandy Inc.	LF	20	YARDS
8/6/2019	25475	Gandy Inc.	LF	20	YARDS
8/6/2019	25476	Gandy Inc.	LF	20	YARDS
8/6/2019	25477	Gandy Inc.	LF	20	YARDS
8/6/2019	25478	Gandy Inc.	LF	20	YARDS
8/6/2019	25480	Gandy Inc.	LF	20	YARDS
8/6/2019	25481	Gandy Inc.	LF	20	YARDS
8/6/2019	25483	Gandy Inc.	LF	20	YARDS
8/6/2019	25484	Gandy Inc.	LF	20	YARDS
8/6/2019	25491	Gandy Inc.	LF	20	YARDS
8/6/2019	25492	Gandy Inc.	LF	20	YARDS
8/6/2019	25493	Gandy Inc.	LF	20	YARDS
8/6/2019	25494	Gandy Inc.	LF	20	YARDS
8/6/2019	25495	Gandy Inc.	LF	20	YARDS
8/6/2019	25496	Gandy Inc.	LF	20	YARDS
8/6/2019	25497	Gandy Inc.	LF	20	YARDS
8/6/2019	25498	Gandy Inc.	LF	20	YARDS
8/6/2019	25499	Gandy Inc.	LF	20	YARDS
8/6/2019	25500	Gandy Inc.	LF	20	YARDS
8/6/2019	25501	Gandy Inc.	LF	20	YARDS
8/6/2019	25502	Gandy Inc.	LF	20	YARDS
8/6/2019	25515	Gandy Inc.	LF	20	YARDS
8/6/2019	25516	Gandy Inc.	LF	20	YARDS
8/6/2019	25519	Gandy Inc.	LF	20	YARDS
8/6/2019	25520	Gandy Inc.	LF	20	YARDS
8/6/2019	25521	Gandy Inc.	LF	20	YARDS
8/6/2019	25522	Gandy Inc.	LF	20	YARDS
8/6/2019	25523	Gandy Inc.	LF	20	YARDS
8/7/2019	25542	Gandy Inc.	LF	20	YARDS
8/7/2019	25543	Gandy Inc.	LF	20	YARDS
8/7/2019	25544	Gandy Inc.	LF	20	YARDS
8/7/2019	25545	Gandy Inc.	LF	20	YARDS
8/7/2019	25546	Gandy Inc.	LF	20	YARDS
8/7/2019	25548	Gandy Inc.	LF	20	YARDS



HADAWAY CONSULTING AND ENG L
 PO BOX 188
 CANADIAN, TX 79014

9/9/2019

Gandy Marley, Inc.

Detailed Report of material for Invoices 28895 thru 28895

P.O. Box 1658 Roswell, NM 88202

Phone 575-347-0434 Fax 575-347-0435

8/7/2019	25549	Gandy Inc.	LF	20	YARDS
8/7/2019	25555	Gandy Inc.	LF	20	YARDS
8/7/2019	25556	Gandy Inc.	LF	20	YARDS
8/7/2019	25557	Gandy Inc.	LF	20	YARDS
8/7/2019	25558	Gandy Inc.	LF	20	YARDS
8/7/2019	25559	Gandy Inc.	LF	20	YARDS
8/7/2019	25560	Gandy Inc.	LF	20	YARDS
8/7/2019	25561	Gandy Inc.	LF	20	YARDS
8/7/2019	25562	Gandy Inc.	LF	20	YARDS
8/7/2019	25563	Gandy Inc.	LF	20	YARDS
8/7/2019	25564	Gandy Inc.	LF	20	YARDS
8/7/2019	25565	Gandy Inc.	LF	20	YARDS
8/7/2019	25566	Gandy Inc.	LF	20	YARDS
8/7/2019	25567	Gandy Inc.	LF	20	YARDS
8/7/2019	25568	Gandy Inc.	LF	20	YARDS
8/7/2019	25588	Gandy Inc.	LF	20	YARDS
8/7/2019	25589	Gandy Inc.	LF	20	YARDS
8/7/2019	25590	Gandy Inc.	LF	20	YARDS
8/7/2019	25591	Gandy Inc.	LF	20	YARDS
8/7/2019	25592	Gandy Inc.	LF	20	YARDS
8/7/2019	25593	Gandy Inc.	LF	20	YARDS
8/7/2019	25594	Gandy Inc.	LF	20	YARDS
8/7/2019	25603	Gandy Inc.	LF	20	YARDS
8/7/2019	25605	Gandy Inc.	LF	20	YARDS
8/7/2019	25606	Gandy Inc.	LF	20	YARDS
8/7/2019	25607	Gandy Inc.	LF	20	YARDS
8/7/2019	25608	Gandy Inc.	LF	20	YARDS
8/8/2019	25642	Gandy Inc.	LF	20	YARDS
8/8/2019	25643	Gandy Inc.	LF	20	YARDS
8/8/2019	25644	Gandy Inc.	LF	20	YARDS
8/8/2019	25645	Gandy Inc.	LF	20	YARDS

JP WHITE 4 Total YARDS. 1900 YARDS

EXEMPT OCD Total YARDS. 1900 YARDS

EXEMPT OCD Total Units. 1900 Units



Gandy Marley, Inc.

P.O. Box 1658 Roswell, NM 88202

Phone 575-347-0434 Fax 575-347-0435

HADAWAY CONSULTING AND ENG L
PO BOX 188
CANADIAN, TX 79014

9/9/2019

Detailed Report of material for Invoices 28895 thru 28895

HADAWAY CONSULTING AND ENG LLC Total Units.

1900 Units



HADAWAY CONSULTING AND ENG L
 PO BOX 188
 CANADIAN, TX 79014

9/9/2019

Gandy Marley, Inc.

Detailed Report of material for Invoices 28837 thru 28837

P.O. Box 1658 Roswell, NM 88202

Phone 575-347-0434 Fax 575-347-0435

EXEMPT OCD

Origin: JP WHITE 4

Date:	Ticket No:	Description	Transporter:	Cell:	Units	Unit Type:
7/25/2019	24690		Gandy Inc.	LF	20	YARDS
7/25/2019	24691		Gandy Inc.	LF	20	YARDS
7/26/2019	24713		Gandy Inc.	LF	20	YARDS
7/26/2019	24714		Gandy Inc.	LF	20	YARDS
7/26/2019	24715		Gandy Inc.	LF	20	YARDS
7/26/2019	24716		Gandy Inc.	LF	20	YARDS
7/26/2019	24717		Gandy Inc.	LF	20	YARDS
7/26/2019	24718		Gandy Inc.	LF	20	YARDS
7/26/2019	24719		Gandy Inc.	LF	20	YARDS
7/26/2019	24720		Gandy Inc.	LF	20	YARDS
7/26/2019	24733		Gandy Inc.	LF	20	YARDS
7/26/2019	24734		Gandy Inc.	LF	20	YARDS
7/26/2019	24735		Gandy Inc.	LF	20	YARDS
7/26/2019	24736		Gandy Inc.	LF	20	YARDS
7/26/2019	24743		Gandy Inc.	LF	20	YARDS
7/26/2019	24744		Gandy Inc.	LF	20	YARDS
7/26/2019	24745		Gandy Inc.	LF	20	YARDS
7/26/2019	24746		Gandy Inc.	LF	20	YARDS
7/26/2019	24750		Gandy Inc.	LF	20	YARDS
7/26/2019	24751		Gandy Inc.	LF	20	YARDS
7/26/2019	24752		Gandy Inc.	LF	20	YARDS
7/26/2019	24753		Gandy Inc.	LF	20	YARDS
7/29/2019	24784		Gandy Inc.	LF	20	YARDS
7/29/2019	24785		Gandy Inc.	LF	20	YARDS
7/29/2019	24786		Gandy Inc.	LF	20	YARDS
7/29/2019	24787		Gandy Inc.	LF	20	YARDS
7/29/2019	24788		Gandy Inc.	LF	20	YARDS
7/29/2019	24797		Gandy Inc.	LF	20	YARDS
7/29/2019	24798		Gandy Inc.	LF	20	YARDS
7/29/2019	24799		Gandy Inc.	LF	20	YARDS



HADAWAY CONSULTING AND ENG L
 PO BOX 188
 CANADIAN, TX 79014

9/9/2019

Gandy Marley, Inc.

Detailed Report of material for Invoices 28837 thru 28837

P.O. Box 1658 Roswell, NM 88202
 Phone 575-347-0434 Fax 575-347-0435

7/29/2019	24800	Gandy Inc.	LF	20	YARDS
7/29/2019	24801	Gandy Inc.	LF	20	YARDS
7/29/2019	24818	Gandy Inc.	LF	20	YARDS
7/29/2019	24819	Gandy Inc.	LF	20	YARDS
7/29/2019	24820	Gandy Inc.	LF	20	YARDS
7/29/2019	24821	Gandy Inc.	LF	20	YARDS
7/29/2019	24822	Gandy Inc.	LF	20	YARDS
7/29/2019	24826	Gandy Inc.	LF	20	YARDS
7/29/2019	24827	Gandy Inc.	LF	20	YARDS
7/29/2019	24828	Gandy Inc.	LF	20	YARDS
7/29/2019	24829	Gandy Inc.	LF	20	YARDS
7/29/2019	24830	Gandy Inc.	LF	20	YARDS
7/29/2019	24831	Gandy Inc.	LF	20	YARDS
7/29/2019	24832	Gandy Inc.	LF	20	YARDS
7/29/2019	24833	Gandy Inc.	LF	20	YARDS
7/29/2019	24834	Gandy Inc.	LF	20	YARDS
7/30/2019	24883	Gandy Inc.	LF	20	YARDS
7/30/2019	24884	Gandy Inc.	LF	20	YARDS
7/30/2019	24885	Gandy Inc.	LF	20	YARDS
7/30/2019	24886	Gandy Inc.	LF	20	YARDS
7/30/2019	24890	Gandy Inc.	LF	20	YARDS
7/30/2019	24891	Gandy Inc.	LF	20	YARDS
7/30/2019	24892	Gandy Inc.	LF	20	YARDS
7/30/2019	24893	Gandy Inc.	LF	20	YARDS
7/30/2019	24894	Gandy Inc.	LF	20	YARDS
7/30/2019	24895	Gandy Inc.	LF	20	YARDS
7/30/2019	24896	Gandy Inc.	LF	20	YARDS
7/30/2019	24897	Gandy Inc.	LF	20	YARDS
7/30/2019	24948	Gandy Inc.	LF	20	YARDS
7/30/2019	24949	Gandy Inc.	LF	20	YARDS
7/30/2019	24950	Gandy Inc.	LF	20	YARDS
7/30/2019	24951	Gandy Inc.	LF	20	YARDS
7/30/2019	24952	Gandy Inc.	LF	20	YARDS
7/30/2019	24953	Gandy Inc.	LF	20	YARDS



HADAWAY CONSULTING AND ENG L
 PO BOX 188
 CANADIAN, TX 79014

9/9/2019

Gandy Marley, Inc.

Detailed Report of material for Invoices 28837 thru 28837

P.O. Box 1658 Roswell, NM 88202

Phone 575-347-0434 Fax 575-347-0435

7/30/2019	24961	Gandy Inc.	LF	20	YARDS
7/30/2019	24962	Gandy Inc.	LF	20	YARDS
7/30/2019	24963	Gandy Inc.	LF	20	YARDS
7/30/2019	24964	Gandy Inc.	LF	20	YARDS
7/31/2019	24979	Gandy Inc.	LF	20	YARDS
7/31/2019	24980	Gandy Inc.	LF	20	YARDS
7/31/2019	24981	Gandy Inc.	LF	20	YARDS
7/31/2019	24982	Gandy Inc.	LF	20	YARDS
7/31/2019	24983	Gandy Inc.	LF	20	YARDS
7/31/2019	25006	Gandy Inc.	LF	20	YARDS
7/31/2019	25010	Gandy Inc.	LF	20	YARDS
7/31/2019	25011	Gandy Inc.	LF	20	YARDS
7/31/2019	25012	Gandy Inc.	LF	20	YARDS
7/31/2019	25013	Gandy Inc.	LF	20	YARDS
7/31/2019	25014	Gandy Inc.	LF	20	YARDS
7/31/2019	25015	Gandy Inc.	LF	20	YARDS
7/31/2019	25016	Gandy Inc.	LF	20	YARDS
7/31/2019	25017	Gandy Inc.	LF	20	YARDS
7/31/2019	25018	Gandy Inc.	LF	20	YARDS
7/31/2019	25019	Gandy Inc.	LF	20	YARDS
7/31/2019	25020	Gandy Inc.	LF	20	YARDS
7/31/2019	25021	Gandy Inc.	LF	20	YARDS
7/31/2019	25073	Gandy Inc.	LF	20	YARDS
7/31/2019	25074	Gandy Inc.	LF	20	YARDS
7/31/2019	25075	Gandy Inc.	LF	20	YARDS
7/31/2019	25076	Gandy Inc.	LF	20	YARDS
7/31/2019	25077	Gandy Inc.	LF	20	YARDS
7/31/2019	25078	Gandy Inc.	LF	20	YARDS
7/31/2019	25088	Gandy Inc.	LF	20	YARDS
7/31/2019	25089	Gandy Inc.	LF	20	YARDS
7/31/2019	25090	Gandy Inc.	LF	20	YARDS
7/31/2019	25091	Gandy Inc.	LF	20	YARDS
7/31/2019	25092	Gandy Inc.	LF	20	YARDS
7/31/2019	25093	Gandy Inc.	LF	20	YARDS



HADAWAY CONSULTING AND ENG L
 PO BOX 188
 CANADIAN, TX 79014

9/9/2019

Gandy Marley, Inc.

Detailed Report of material for Invoices 28837 thru 28837

P.O. Box 1658 Roswell, NM 88202

Phone 575-347-0434 Fax 575-347-0435

8/1/2019	25122	Gandy Inc.	LF	20	YARDS
8/1/2019	25123	Gandy Inc.	LF	20	YARDS
8/1/2019	25124	Gandy Inc.	LF	20	YARDS
8/1/2019	25125	Gandy Inc.	LF	20	YARDS
8/1/2019	25126	Gandy Inc.	LF	20	YARDS
8/1/2019	25127	Gandy Inc.	LF	20	YARDS
8/1/2019	25149	Gandy Inc.	LF	20	YARDS
8/1/2019	25150	Gandy Inc.	LF	20	YARDS
8/1/2019	25151	Gandy Inc.	LF	20	YARDS
8/1/2019	25152	Gandy Inc.	LF	20	YARDS
8/1/2019	25153	Gandy Inc.	LF	20	YARDS
8/1/2019	25154	Gandy Inc.	LF	20	YARDS
8/1/2019	25183	Gandy Inc.	LF	20	YARDS
8/1/2019	25184	Gandy Inc.	LF	20	YARDS
8/1/2019	25185	Gandy Inc.	LF	20	YARDS
8/2/2019	25222	Gandy Inc.	LF	20	YARDS
8/2/2019	25223	Gandy Inc.	LF	20	YARDS
8/2/2019	25224	Gandy Inc.	LF	20	YARDS
8/2/2019	25225	Gandy Inc.	LF	20	YARDS
8/2/2019	25226	Gandy Inc.	LF	20	YARDS
8/2/2019	25227	Gandy Inc.	LF	20	YARDS
8/2/2019	25228	Gandy Inc.	LF	20	YARDS
8/2/2019	25229	Gandy Inc.	LF	20	YARDS
8/2/2019	25230	Gandy Inc.	LF	20	YARDS
8/2/2019	25263	Gandy Inc.	LF	20	YARDS
8/2/2019	25264	Gandy Inc.	LF	20	YARDS
8/2/2019	25265	Gandy Inc.	LF	20	YARDS
8/2/2019	25266	Gandy Inc.	LF	20	YARDS
8/2/2019	25267	Gandy Inc.	LF	20	YARDS
8/2/2019	25268	Gandy Inc.	LF	20	YARDS
8/2/2019	25269	Gandy Inc.	LF	20	YARDS
8/2/2019	25299	Gandy Inc.	LF	20	YARDS
8/2/2019	25300	Gandy Inc.	LF	20	YARDS
8/2/2019	25301	Gandy Inc.	LF	20	YARDS



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Gandy Marley, Inc.

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Detailed Report of material for Invoices 28837 thru 28837

8/2/2019	25302	Gandy Inc.	LF	20	YARDS
8/2/2019	25303	Gandy Inc.	LF	20	YARDS
8/2/2019	25304	Gandy Inc.	LF	20	YARDS
8/2/2019	25305	Gandy Inc.	LF	20	YARDS
8/2/2019	25306	Gandy Inc.	LF	20	YARDS
8/2/2019	25308	Gandy Inc.	LF	20	YARDS
8/2/2019	25309	Gandy Inc.	LF	20	YARDS
8/2/2019	25310	Gandy Inc.	LF	20	YARDS
8/2/2019	25311	Gandy Inc.	LF	20	YARDS
8/2/2019	25312	Gandy Inc.	LF	20	YARDS
8/2/2019	25313	Gandy Inc.	LF	20	YARDS
8/2/2019	25314	Gandy Inc.	LF	20	YARDS
8/2/2019	25315	Gandy Inc.	LF	20	YARDS
8/2/2019	25318	Gandy Inc.	LF	20	YARDS
8/2/2019	25319	Gandy Inc.	LF	20	YARDS
8/2/2019	25320	Gandy Inc.	LF	20	YARDS
8/2/2019	25321	Gandy Inc.	LF	20	YARDS
8/2/2019	25322	Gandy Inc.	LF	20	YARDS

JP WHITE 4 Total YARDS. 3000 YARDS

EXEMPT OCD Total YARDS. 3000 YARDS

EXEMPT OCD Total Units. 3000 Units

HADAWAY CONSULTING AND ENG LLC Total Units. 3000 Units



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Gandy Marley, Inc.

Detailed Report of material for Invoices 28800 thru 28800

P.O. Box 1658 Roswell, NM 88202

Phone 575-347-0434 Fax 575-347-0435

EXEMPT OCD

Origin: JP WHITE 4

Date:	Ticket No:	Description	Transporter:	Cell:	Units	Unit Type:
7/18/2019	24287		Gandy Inc.	LF	20	YARDS
7/19/2019	24296		Gandy inc.	LF	20	YARDS
7/19/2019	24297		Gandy Inc.	LF	20	YARDS
7/19/2019	24298		Gandy Inc.	LF	20	YARDS
7/19/2019	24299		Gandy Inc.	LF	20	YARDS
7/19/2019	24300		Gandy Inc.	LF	20	YARDS
7/19/2019	24308		Gandy Inc.	LF	20	YARDS
7/19/2019	24316		Gandy Inc.	LF	20	YARDS
7/19/2019	24317		Gandy Inc.	LF	20	YARDS
7/19/2019	24318		Gandy Inc.	LF	20	YARDS
7/19/2019	24319		Gandy Inc.	LF	20	YARDS
7/19/2019	24324		Gandy Inc.	LF	20	YARDS
7/19/2019	24327		Gandy Inc.	LF	20	YARDS
7/19/2019	24328		Gandy Inc.	LF	20	YARDS
7/19/2019	24329		Gandy Inc.	LF	20	YARDS
7/19/2019	24330		Gandy inc.	LF	20	YARDS
7/19/2019	24331		Gandy Inc.	LF	20	YARDS
7/19/2019	24332		Gandy Inc.	LF	20	YARDS
7/19/2019	24333		Gandy Inc.	LF	20	YARDS
7/19/2019	24341		Gandy Inc.	LF	20	YARDS
7/19/2019	24342		Gandy Inc.	LF	20	YARDS
7/19/2019	24343		Gandy Inc.	LF	20	YARDS
7/19/2019	24344		Gandy Inc.	LF	20	YARDS
7/19/2019	24345		Gandy Inc.	LF	20	YARDS
7/19/2019	24346		Gandy Inc.	LF	20	YARDS
7/19/2019	24354		Gandy inc.	LF	20	YARDS
7/19/2019	24355		Gandy Inc.	LF	20	YARDS
7/19/2019	24356		Gandy inc.	LF	20	YARDS
7/19/2019	24357		Gandy Inc.	LF	20	YARDS
7/19/2019	24358		Gandy Inc.	LF	20	YARDS



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7/24/2019	24371	Gandy Inc.	LF	20	YARDS
7/24/2019	24372	Gandy Inc.	LF	20	YARDS
7/24/2019	24373	Gandy Inc.	LF	20	YARDS
7/24/2019	24374	Gandy Inc.	LF	20	YARDS
7/24/2019	24376	Gandy Inc.	LF	20	YARDS
7/24/2019	24578	Gandy Inc.	LF	20	YARDS
7/24/2019	24579	Gandy Inc.	LF	20	YARDS
7/24/2019	24580	Gandy Inc.	LF	20	YARDS
7/24/2019	24581	Gandy Inc.	LF	20	YARDS
7/24/2019	24582	Gandy Inc.	LF	20	YARDS
7/24/2019	24593	Gandy Inc.	LF	20	YARDS
7/24/2019	24594	Gandy Inc.	LF	20	YARDS
7/24/2019	24595	Gandy Inc.	LF	20	YARDS
7/24/2019	24596	Gandy Inc.	LF	20	YARDS
7/24/2019	24597	Gandy Inc.	LF	20	YARDS
7/24/2019	24598	Gandy Inc.	LF	20	YARDS
7/24/2019	24609	Gandy Inc.	LF	20	YARDS
7/24/2019	24610	Gandy Inc.	LF	20	YARDS
7/24/2019	24611	Gandy Inc.	LF	20	YARDS
7/24/2019	24612	Gandy Inc.	LF	20	YARDS
7/24/2019	24613	Gandy Inc.	LF	20	YARDS
7/24/2019	24614	Gandy Inc.	LF	20	YARDS
7/24/2019	24617	Gandy Inc.	LF	20	YARDS
7/24/2019	24618	Gandy Inc.	LF	20	YARDS
7/24/2019	24620	Gandy Inc.	LF	20	YARDS
7/24/2019	24621	Gandy Inc.	LF	20	YARDS
7/24/2019	24622	Gandy Inc.	LF	20	YARDS
7/25/2019	24639	Gandy Inc.	LF	20	YARDS
7/25/2019	24640	Gandy Inc.	LF	20	YARDS
7/25/2019	24641	Gandy Inc.	LF	20	YARDS
7/25/2019	24642	Gandy Inc.	LF	20	YARDS
7/25/2019	24643	Gandy Inc.	LF	20	YARDS
7/25/2019	24644	Gandy Inc.	LF	20	YARDS
7/25/2019	24660	Gandy Inc.	LF	20	YARDS



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7/25/2019	24661	Gandy Inc.	LF	20	YARDS
7/25/2019	24662	Gandy Inc.	LF	20	YARDS
7/25/2019	24663	Gandy Inc.	LF	20	YARDS
7/25/2019	24673	Gandy Inc.	LF	20	YARDS
7/25/2019	24674	Gandy Inc.	LF	20	YARDS
7/25/2019	24675	Gandy Inc.	LF	20	YARDS
7/25/2019	24676	Gandy Inc.	LF	20	YARDS
7/25/2019	24685	Gandy Inc.	LF	20	YARDS
7/25/2019	24686	Gandy Inc.	LF	20	YARDS
7/25/2019	24688	Gandy Inc.	LF	20	YARDS
7/25/2019	24689	Gandy Inc.	LF	20	YARDS

JP WHITE 4 Total YARDS. 1500 YARDS

EXEMPT OCD Total YARDS. 1500 YARDS

EXEMPT OCD Total Units. 1500 Units

HADAWAY CONSULTING AND ENG LLC Total Units. 1500 Units



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Detailed Report of material for Invoices 28728 thru 28728

EXEMPT OCD

Origin: JP WHITE #4

Date:	Ticket No:	Description	Transporter:	Cell:	Units	Unit Type:
7/10/2019	23840		Gandy Inc.	LF	20	YARDS
7/10/2019	23841		Gandy Inc.	LF	20	YARDS
7/10/2019	23842		Gandy Inc.	LF	20	YARDS
7/10/2019	23844		Gandy Inc.	LF	20	YARDS
7/10/2019	23845		Gandy Inc.	LF	20	YARDS
7/10/2019	23846		Gandy Inc.	LF	20	YARDS
7/10/2019	23850		Gandy Inc.	LF	20	YARDS
7/10/2019	23853		Gandy Inc.	LF	20	YARDS
7/10/2019	23854		Gandy Inc.	LF	20	YARDS
7/10/2019	23862		Gandy Inc.	LF	20	YARDS
7/10/2019	23863		Gandy Inc.	LF	20	YARDS
7/10/2019	23864		Gandy Inc.	LF	20	YARDS
7/10/2019	23865		Gandy Inc.	LF	20	YARDS
7/10/2019	23866		Gandy Inc.	LF	20	YARDS
7/10/2019	23867		Gandy Inc.	LF	20	YARDS
7/10/2019	23871		Gandy Inc.	LF	20	YARDS
7/10/2019	23872		Gandy Inc.	LF	20	YARDS
7/10/2019	23873		Gandy Inc.	LF	20	YARDS
7/10/2019	23874		Gandy Inc.	LF	20	YARDS
7/10/2019	23875		Gandy Inc.	LF	20	YARDS
7/10/2019	23878		Gandy Inc.	LF	20	YARDS
7/10/2019	23879		Gandy Inc.	LF	20	YARDS
7/10/2019	23880		Gandy Inc.	LF	20	YARDS
7/10/2019	23881		Gandy Inc.	LF	20	YARDS
7/10/2019	23887		Gandy Inc.	LF	20	YARDS
7/11/2019	23898		Gandy Inc.	LF	20	YARDS
7/11/2019	23899		Gandy Inc.	LF	20	YARDS
7/11/2019	23900		Gandy Inc.	LF	20	YARDS
7/11/2019	23901		Gandy Inc.	LF	20	YARDS
7/11/2019	23902		Gandy Inc.	LF	20	YARDS



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7/11/2019	23911	Gandy Inc.	LF	20	YARDS
7/11/2019	23912	Gandy Inc.	LF	20	YARDS
7/11/2019	23913	Gandy Inc.	LF	20	YARDS
7/11/2019	23925	Gandy Inc.	LF	20	YARDS
7/11/2019	23926	Gandy Inc.	LF	20	YARDS
7/11/2019	23927	Gandy Inc.	LF	20	YARDS
7/11/2019	23928	Gandy Inc.	LF	20	YARDS
7/11/2019	23929	Gandy Inc.	LF	20	YARDS
7/15/2019	23914	Gandy Inc.	LF	20	YARDS
7/15/2019	24008	Gandy Inc.	LF	20	YARDS
7/15/2019	24010	Gandy Inc.	LF	20	YARDS
7/15/2019	24011	Gandy Inc.	LF	20	YARDS
7/15/2019	24012	Gandy Inc.	LF	20	YARDS
7/15/2019	24013	Gandy Inc.	LF	20	YARDS
7/15/2019	24017	Gandy Inc.	LF	20	YARDS
7/15/2019	24019	Gandy Inc.	LF	20	YARDS
7/15/2019	24020	Gandy Inc.	LF	20	YARDS
7/15/2019	24021	Gandy Inc.	LF	20	YARDS
7/15/2019	24022	Gandy Inc.	LF	20	YARDS
7/15/2019	24023	Gandy Inc.	LF	20	YARDS
7/15/2019	24024	Gandy Inc.	LF	20	YARDS
7/15/2019	24035	Gandy Inc.	LF	20	YARDS
7/15/2019	24036	Gandy Inc.	LF	20	YARDS
7/15/2019	24037	Gandy Inc.	LF	20	YARDS
7/15/2019	24038	Gandy Inc.	LF	20	YARDS
7/15/2019	24040	Gandy Inc.	LF	20	YARDS
7/15/2019	24043	Gandy Inc.	LF	20	YARDS
7/15/2019	24050	Gandy Inc.	LF	20	YARDS
7/15/2019	24051	Gandy Inc.	LF	20	YARDS
7/15/2019	24052	Gandy Inc.	LF	20	YARDS
7/15/2019	24053	Gandy Inc.	LF	20	YARDS
7/15/2019	24054	Gandy Inc.	LF	20	YARDS
7/15/2019	24059	Gandy Inc.	LF	20	YARDS
7/15/2019	24063	Gandy Inc.	LF	20	YARDS



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7/15/2019	24064	Gandy Inc.	LF	20	YARDS
7/15/2019	24065	Gandy Inc.	LF	20	YARDS
7/15/2019	24066	Gandy Inc.	LF	20	YARDS
7/15/2019	24067	Gandy Inc.	LF	20	YARDS
7/15/2019	24068	Gandy Inc.	LF	20	YARDS
7/16/2019	24106	Gandy Inc.	LF	20	YARDS
7/16/2019	24107	Gandy Inc.	LF	20	YARDS
7/16/2019	24108	Gandy Inc.	LF	20	YARDS
7/16/2019	24109	Gandy Inc.	LF	20	YARDS
7/16/2019	24129	Gandy Inc.	LF	20	YARDS
7/16/2019	24130	Gandy Inc.	LF	20	YARDS
7/16/2019	24133	Gandy Inc.	LF	20	YARDS
7/16/2019	24134	Gandy Inc.	LF	20	YARDS
7/16/2019	24135	Gandy Inc.	LF	20	YARDS
7/16/2019	24136	Gandy Inc.	LF	20	YARDS
7/16/2019	24137	Gandy Inc.	LF	20	YARDS
7/16/2019	24138	Gandy Inc.	LF	20	YARDS
7/16/2019	24147	Gandy Inc.	LF	20	YARDS
7/16/2019	24148	Gandy Inc.	LF	20	YARDS
7/16/2019	24149	Gandy Inc.	LF	20	YARDS
7/16/2019	24150	Gandy Inc.	LF	20	YARDS
7/16/2019	24151	Gandy Inc.	LF	20	YARDS
7/16/2019	24152	Gandy Inc.	LF	20	YARDS
7/16/2019	24160	Gandy Inc.	LF	20	YARDS
7/16/2019	24161	Gandy Inc.	LF	20	YARDS
7/16/2019	24162	Gandy Inc.	LF	20	YARDS
7/16/2019	24163	Gandy Inc.	LF	20	YARDS
7/16/2019	24164	Gandy Inc.	LF	20	YARDS
7/17/2019	24176	Gandy Inc.	LF	20	YARDS
7/17/2019	24177	Gandy Inc.	LF	20	YARDS
7/17/2019	24178	Gandy Inc.	LF	20	YARDS
7/17/2019	24179	Gandy Inc.	LF	20	YARDS
7/17/2019	24180	Gandy Inc.	LF	20	YARDS
7/17/2019	24190	Gandy Inc.	LF	20	YARDS



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7/17/2019	24191	Gandy Inc.	LF	20	YARDS
7/17/2019	24192	Gandy Inc.	LF	20	YARDS
7/17/2019	24193	Gandy Inc.	LF	20	YARDS
7/17/2019	24194	Gandy Inc.	LF	20	YARDS
7/17/2019	24195	Gandy Inc.	LF	20	YARDS
7/17/2019	24203	Gandy Inc.	LF	20	YARDS
7/17/2019	24204	Gandy Inc.	LF	20	YARDS
7/17/2019	24205	Gandy Inc.	LF	20	YARDS
7/17/2019	24206	Gandy Inc.	LF	20	YARDS
7/17/2019	24207	Gandy Inc.	LF	20	YARDS
7/17/2019	24216	Gandy Inc.	LF	20	YARDS
7/17/2019	24217	Gandy Inc.	LF	20	YARDS
7/17/2019	24218	Gandy Inc.	LF	20	YARDS
7/17/2019	24219	Gandy Inc.	LF	20	YARDS
7/17/2019	24220	Gandy Inc.	LF	20	YARDS
7/17/2019	24224	Gandy Inc.	LF	20	YARDS
7/17/2019	24225	Gandy Inc.	LF	20	YARDS
7/17/2019	24226	Gandy Inc.	LF	20	YARDS
7/17/2019	24227	Gandy Inc.	LF	20	YARDS
7/17/2019	24228	Gandy Inc.	LF	20	YARDS
7/18/2019	24250	Gandy Inc.	LF	20	YARDS
7/18/2019	24251	Gandy Inc.	LF	20	YARDS
7/18/2019	24252	Gandy Inc.	LF	20	YARDS
7/18/2019	24253	Gandy Inc.	LF	20	YARDS
7/18/2019	24258	Gandy Inc.	LF	20	YARDS
7/18/2019	24260	Gandy Inc.	LF	20	YARDS
7/18/2019	24261	Gandy Inc.	LF	20	YARDS
7/18/2019	24262	Gandy Inc.	LF	20	YARDS
7/18/2019	24263	Gandy Inc.	LF	20	YARDS
7/18/2019	24271	Gandy Inc.	LF	20	YARDS
7/18/2019	24272	Gandy Inc.	LF	20	YARDS
7/18/2019	24273	Gandy Inc.	LF	20	YARDS
7/18/2019	24274	Gandy Inc.	LF	20	YARDS
7/18/2019	24275	Gandy Inc.	LF	20	YARDS



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7/18/2019	24282	Gandy Inc.	LF	20	YARDS
7/18/2019	24283	Gandy Inc.	LF	20	YARDS
7/18/2019	24284	Gandy Inc.	LF	20	YARDS
7/18/2019	24285	Gandy Inc.	LF	20	YARDS

JP WHITE #4 Total YARDS. 2720 YARDS

EXEMPT OCD Total YARDS. 2720 YARDS

EXEMPT OCD Total Units. 2720 Units

HADAWAY CONSULTING AND ENG LLC Total Units. 2720 Units