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

TABLE OF CONTENTS

I.	COMPANY CONTACTS	1
II.	BACKGROUND	1
III.	SURFACE AND GROUND WATER	2
IV.	CHARACTERIZATION	1
V.	WORK PERFORMED	2
VI.	CONCLUSION	4
VII.	FIGURES & APPENDICES	4
	gure 1 – Vicinity Map	
	gure 2 – Site Plan	
Α	ppendix A – C-141	7
	ppendix B – Groundwater	
	ppendix C – Analytical Results	
	ppendix D – Site Photos	
	ppendix E – Seed Tag	
	ppendix F – Correspondence	
A	ppendix G – Disposal	.13

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	<u>ballen@sesi-nm.com</u>

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.

-	Table 1			
Closure	Criteria for Soils Imp	pacted by a Release	1	
Minimum depth below any point within the horizontal boundary of the release to ground water less than 10,000 mg/l		Method*	Limit**	
TDS				
<50 feet	Chloride***	EPA 300.0 or SM4500 Cl B	600 mg/kg	
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015B	100 mg/kg	
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg	
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg	
1 feet-100 feet	Chloride***	EPA 300.0 or SM4500 Cl B	10.000 ma/ka	
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015B		
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg	
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg	
>100 feet	Chloride***	EPA 300.0 or SM4500 Cl B	20,000 mg/kg	
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015B	2,500 mg/kg	
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg	

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 (CI 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	DRO	GRO	BTEX
·	EPA Method 300 Anions	EPA Method 8015	EPA Method 8015	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 (Cl Method EPA 300), which was the contaminant of concern for this spill event. Below is a recap of the analyses from Hall Laboratories.

Hall Laborat	oies 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

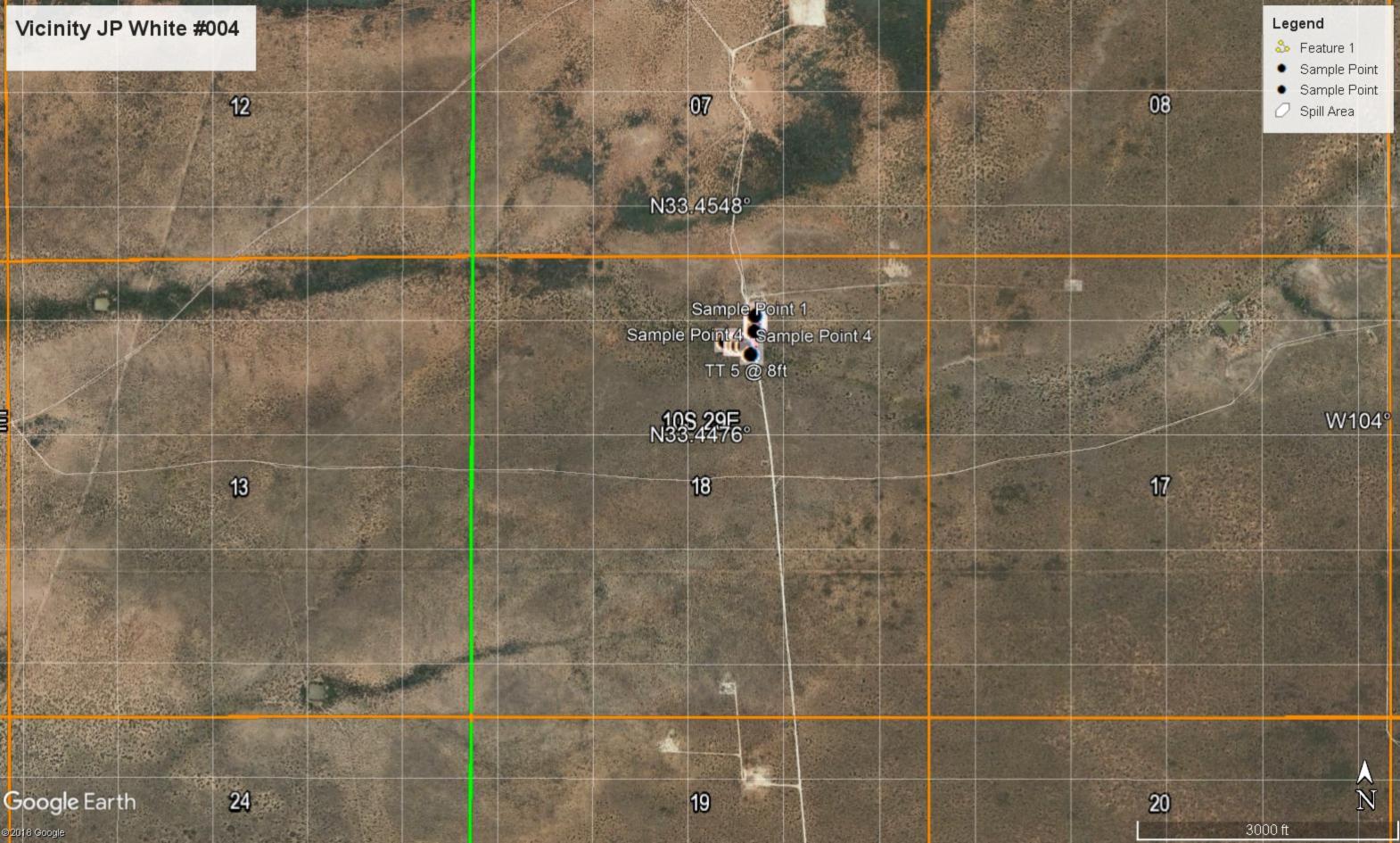


Figure 2 Site Plan

Back Nine Properties

Excavation-Soil Delineation West Side



Legend

Sample Points Spill Area

and the second second second second

Test Trenches

SP38 North Wall

9 East

SP36 Bottom 4ft

SP40 North Wall

TTE BR X SP35 Bottom 4ft

East Side Remediation

Survey

Google Harth

本語

Sample Point 19

JP White #4 Pad Area

Sample Point 17

ample Point 15 Sample Point 16

Sample Point 7 Sample Point 7 Sample Point 13 Sample Point 12

Sample Point 6 TT2 3ft Sample Point 11 Sample Point 10 Sample Point 9

Sample Point 5

Sample Point 4

Sample Point 3

Sample Point 2

Sample Point 1

Legend

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

Appendix A C-141

Form C-141 Page 6 State of New Mexico Oil Conservation Division

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 n	nust 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 t and regulations all operators are required to report and/or file certain releas may endanger public health or the environment. The acceptance of a C-1 should their operations have failed to adequately investigate and remediat human health or the environment. In addition, OCD acceptance of a C-14 compliance with any other federal, state, or local laws and/or regulations. restore, reclaim, and re-vegetate the impacted surface area to the conditio accordance with 19.15.29.13 NMAC including notification to the OCD w Printed Name: Allen Hadaway Signature:	ase notifications and perform corrective actions for releases which 41 report by the OCD does not relieve the operator of liability te contamination that pose a threat to groundwater, surface water, 41 report does not relieve the operator of responsibility for . The responsible party acknowledges they must substantially ons that existed prior to the release or their final land use in when reclamation and re-vegetation are complete. Title: P.E. TX THEIRS									
OCD Only										
Received by:	Date:									
Closure approval by the OCD does not relieve the responsible party of li remediate contamination that poses a threat to groundwater, surface water party of compliance with any other federal, state, or local laws and/or reg	r, human health, or the environment nor does not relieve the responsible									
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 been rep O=orpha C=the fil closed)	blaced, ined,	(qu	(quarters are 1=NW 2=NE 3=S (quarters are smallest to largest)						SW 4=SE) (NAD83 UTM in meters) (In feet)						
POD Number RA 09670	Code	POD Sub- basin (RA	County CH	64	16			Tws 10S	•	X 596107	Y 3705129*		DepthWel	IDepthWate	Wat erColu	
<u>RA 10205</u>		RA	СН	3	4	4	03	10S	29E	595918	3703723*		487			
<u>RA 10206</u>		RA	СН	3	4	4	03	10S	29E	595918	3703723*		489			
<u>RA 10838</u>		RA	СН	1	4	1	17	10S	29E	591905	3701467*		100	70		30
											Average De	ept	h to Water:	70	feet	
											Mir	im	um Depth:	70	feet	
											Max	im	um 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,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/29/2019

CLIENT: Safety & Environmental Solution	s	Cl	ient Sample II	D: TT	-1 3ft	
Project: JP White 4		(Collection Dat	e: 3/1	8/2019 9:45:00 AM	
Lab ID: 1903991-001	Matrix: SOIL		Received Dat	e: 3/2	1/2019 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. ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

- Н Holding times for preparation or analysis exceeded PQL Practical Quanitative Limit
- S

W Sample container temperature is out of limit as specified at testcode % Recovery outside of range due to dilution or matrix

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/29/2019

CLIENT: Safety & Environmental Solutions			Client Sample ID: TT-1 4ft					
Project: JP White 4		(Collection Dat	e: 3/1	8/2019 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. ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

W

- Н Holding times for preparation or analysis exceeded
- PQL Practical Quanitative Limit % Recovery outside of range due to dilution or matrix
- Sample container temperature is out of limit as specified at testcode
- S

- - Page 2 of 39

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/29/2019

CLIENT: Safety & Environmental Solution	8	Cl	ient Sample II	D: T1	T-2 3ft	
Project: JP White 4		(Collection Dat	e: 3/1	18/2019 10:30:00 AM	
Lab ID: 1903991-003	Matrix: SOIL		Received Dat	e: 3/2	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. ND Not Detected at the Reporting Limit

- Н Holding times for preparation or analysis exceeded
- RL Reporting Detection Limit W Sample container temperature is out of limit as specified at testcode
- S
- PQL Practical Quanitative Limit
 - % Recovery outside of range due to dilution or matrix

Page 3 of 39

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/29/2019

CLIENT: Safety & Environmental Solution	s	Cl	ient Sample II	D: TT	-3 6ft	
Project: JP White 4		(Collection Dat	e: 3/1	8/2019 10:40:00 AM	
Lab ID: 1903991-004	Matrix: SOIL		Received Dat	e: 3/2	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. ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

- Н Holding times for preparation or analysis exceeded
- PQL Practical Quanitative Limit % Recovery outside of range due to dilution or matrix

- W
- S

Sample container temperature is out of limit as specified at testcode

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/29/2019

CLIENT: Safety & Environmental Solution Project: JP White 4	ns Client Sample ID: TT-3 7ft Collection Date: 3/18/2019 11:00:00 AM					
Lab ID: 1903991-005	Matrix: SOIL	·			1/2019 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. ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

- Н Holding times for preparation or analysis exceeded
- W Sample container temperature is out of limit as specified at testcode
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

Page 5 of 39

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/29/2019

CLIENT: Safety & Environmental Solution	s	Cl	ient Sample II	D: TT	-4 Surface	
Project: JP White 4		(Collection Dat	e: 3/1	8/2019 11:05:00 AM	
Lab ID: 1903991-006	Matrix: SOIL		Received Dat	e: 3/2	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. Not Detected at the Reporting Limit
- ND RL Reporting Detection Limit

- Н Holding times for preparation or analysis exceeded PQL Practical Quanitative Limit
- S
- W Sample container temperature is out of limit as specified at testcode
- % Recovery outside of range due to dilution or matrix
- Page 6 of 39

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/29/2019

CLIENT: Safety & Environmental Solutions			Client Sample ID: TT-4 1ft					
Project: JP White 4		(Collection Dat	e: 3/1	18/2019 11:10:00 AM			
Lab ID: 1903991-007	Matrix: SOIL		Received Dat	e: 3/2	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.ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

- H
 Holding times for preparation or analysis exceeded

 PQL
 Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- W Sample container temperature is out of limit as specified at testcode

ate of funge due to unuffor of matrix

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/29/2019

CLIENT: Safety & Environmental Solution	S		ient Sample II		
Project: JP White 4 Lab ID: 1903991-008	Matrix: SOIL	(te: 3/18/2019 11:50:00 AM te: 3/21/2019 9:05:00 AM	
Analyses	Result	RL	Qual Units	DF Date Analyzed Bat	tch
EPA METHOD 300.0: ANIONS				Analyst: MR	A
Chloride	6300	300	mg/Kg	100 3/26/2019 7:09:31 PM 438	360
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS			Analyst: JM	Е
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1 3/25/2019 11:30:04 PM 438	32
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1 3/25/2019 11:30:04 PM 438	32
Surr: DNOP	92.8	70-130	%Rec	1 3/25/2019 11:30:04 PM 438	32
EPA METHOD 8015D: GASOLINE RANGE				Analyst: NS	в
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1 3/25/2019 1:07:29 AM 438	320
Surr: BFB	92.0	73.8-119	%Rec	1 3/25/2019 1:07:29 AM 438	320
EPA METHOD 8021B: VOLATILES				Analyst: NS	в
Benzene	ND	0.024	mg/Kg	1 3/25/2019 1:07:29 AM 438	320
Toluene	ND	0.047	mg/Kg	1 3/25/2019 1:07:29 AM 438	320
Ethylbenzene	ND	0.047	mg/Kg	1 3/25/2019 1:07:29 AM 438	320
Xylenes, Total	ND	0.094	mg/Kg	1 3/25/2019 1:07:29 AM 438	320
Surr: 4-Bromofluorobenzene	96.2	80-120	%Rec	1 3/25/2019 1:07:29 AM 438	320

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

- Н Holding times for preparation or analysis exceeded PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- W
 - Sample container temperature is out of limit as specified at testcode

Page 8 of 39

Hall Environmental Analysis Laboratory, Inc.				Lab Order 1903991 Date Reported: 3/29/2019					
CLIENT:	Safety & Environmental S	olutions	Clien	t Sample I	D: TT-5 2ft				
Project:	JP White 4		Coll	ection Dat	e: 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 Qu	ial Units	DF Date Analyzed	Batch			
EPA METI	HOD 300.0: ANIONS				Analys	st: MRA			
Chloride		8800	300	mg/Kg	100 3/25/2019 5:02:58 PM	43834			

Analytical Report

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

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

Page 9 of 39

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/29/2019

CLIENT: Safety & Environmental Solution	s	Cl	ient Sample II): TT	5-5 4ft		
Project: JP White 4		(Collection Dat	e: 3/1	8/2019 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. ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

- Н Holding times for preparation or analysis exceeded
- PQL Practical Quanitative Limit S
- W Sample container temperature is out of limit as specified at testcode
- % Recovery outside of range due to dilution or matrix
- Page 10 of 39

Hall Environmental Ana	nc.	Lab Order 1903991 C. Date Reported: 3/29/2019					
CLIENT: Safety & Environmental	Solutions	Clien	t Sample II	D: TT	`-5 6ft		
Project: JP White 4		Coll	lection Dat	e: 3/1	8/2019 12:45:00 PM		
Lab ID: 1903991-011	Matrix: SOIL	Received Date: 3/21/2019 9:05:00 AM					
Analyses	Result	RL Qu	ial Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	t: MRA	
Chloride	970	60	mg/Kg	20	3/22/2019 5:22:59 PM	43834	

Analytical Report

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

Qualifiers:

W

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

Hall Environmental Analysis Laboratory, Inc.

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 Dat	e: 3/2	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.ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

- H
 Holding times for preparation or analysis exceeded

 PQL
 Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- W Sample container temperature is out of limit as specified at testcode

Page 12 of 39

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/29/2019

CLIENT: Safety & Environmental Solutions		Client Sample ID: TT-6 1ft				
Project: JP White 4		(Collection Dat	e: 3/1	8/2019 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.
- NDNot Detected at the Reporting LimitRLReporting Detection Limit

- H
 Holding times for preparation or analysis exceeded

 PQL
 Practical Quanitative Limit
- S % Recovery outsid
- W Sample container temperature is out of limit as specified at testcode
- % Recovery outside of range due to dilution or matrix

Page 13 of 39

Hall En	Hall Environmental Analysis Laboratory, Inc.			Lab Order 1903991 Date Reported: 3/29/2019				
CLIENT:	Safety & Environmental S	Solutions	Client	t Sample II	D: TT-6 2ft			
Project:	JP White 4		Coll	ection Dat	e: 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 Qu	ial Units	DF Date Analyzed	Batch		
EPA MET	HOD 300.0: ANIONS				Analy	st: MRA		
Chloride		5600	300	mg/Kg	100 3/25/2019 5:15:23 PM	43834		

Analytical Report

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

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

Page 14 of 39

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/29/2019

CLIENT: Safety & Environmental Solutions		Cl	Client Sample ID: TT-6 4ft				
Project: JP White 4		(Collection Dat	e: 3/1	8/2019 2:10:00 PM		
Lab ID: 1903991-015	Matrix: SOIL		Received Dat	e: 3/2	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.ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

- H
 Holding times for preparation or analysis exceeded

 PQL
 Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- W Sample container temperature is out of limit as specified at testcode

Page 15 of 39

Hall Environ	all Environmental Analysis Laboratory, Inc.			Lab Order 1903991 Date Reported: 3/29/2019				
CLIENT: Safety &	& Environmental	Solutions	Client	t Sample II	D: TT	'-6 6ft		
Project: JP Whit	te 4		Coll	lection Dat	e: 3/1	8/2019 2:30:00 PM		
Lab ID: 190399	1-016	Matrix: SOIL	Received Date: 3/21/2019 9:05:00 AM					
Analyses		Result	RL Qu	ual Units	DF	Date Analyzed	Batch	
EPA METHOD 30	0.0: 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.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 Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

Analytical Report

Page 16 of 39

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/29/2019

CLIENT: Safety & Environmental Solutions		Cl	Client Sample ID: TT-6 8ft				
Project: JP White 4		(Collection Dat	e: 3/1	8/2019 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 AN	43820	
Surr: BFB	93.9	73.8-119	%Rec	1	3/25/2019 10:11:11 AN	43820	
EPA METHOD 8021B: VOLATILES					Analyst	: NSB	
Benzene	ND	0.023	mg/Kg	1	3/25/2019 10:11:11 AN	43820	
Toluene	ND	0.047	mg/Kg	1	3/25/2019 10:11:11 AN	43820	
Ethylbenzene	ND	0.047	mg/Kg	1	3/25/2019 10:11:11 AN	43820	
Xylenes, Total	ND	0.093	mg/Kg	1	3/25/2019 10:11:11 AN	43820	
Surr: 4-Bromofluorobenzene	99.5	80-120	%Rec	1	3/25/2019 10:11:11 AN	43820	

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- ND Not Detected at the Reporting Limit RL Reporting Detection Limit

- Н Holding times for preparation or analysis exceeded
- W Sample container temperature is out of limit as specified at testcode
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

Page 17 of 39

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/29/2019

CLIENT: Safety & Environmental Solutions		Cl	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					Analys	st: MRA	
Chloride	8900	300	mg/Kg	100	0 3/26/2019 7:59:09 PM	43860	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	st: 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					Analy	st: NSB	
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	3/25/2019 10:34:57 A	M 43820	
Surr: BFB	94.6	73.8-119	%Rec	1	3/25/2019 10:34:57 A	M 43820	
EPA METHOD 8021B: VOLATILES					Analy	st: NSB	
Benzene	ND	0.024	mg/Kg	1	3/25/2019 10:34:57 A	M 43820	
Toluene	ND	0.047	mg/Kg	1	3/25/2019 10:34:57 A	M 43820	
Ethylbenzene	ND	0.047	mg/Kg	1	3/25/2019 10:34:57 A	M 43820	
Xylenes, Total	ND	0.094	mg/Kg	1	3/25/2019 10:34:57 A	M 43820	
Surr: 4-Bromofluorobenzene	99.1	80-120	%Rec	1	3/25/2019 10:34:57 A	M 43820	

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

- H Holding times for preparation or analysis exceeded
- PQL Practical Quanitative Limit
- W Sample container temperature is out of limit as specified at testcode
- S % Recovery outside of range due to dilution or matrix

Page 18 of 39

Hall Environm	ental Analysis Laboratory	, Inc.	Lab Order 1903991 Date Reported: 3/29/2019					
CLIENT: Safety & E	Environmental Solutions	Clie	ent Sample II	D: TT-7 2ft				
Project: JP White 4	Ļ	С	ollection Dat	e: 3/19/2019 8:45:00 AM				
Lab ID: 1903991-0	19 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			Analy	st: MRA			
Chloride	8000	300	mg/Kg	100 3/26/2019 8:11:33 PM	A 43860			

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit
 - ng Detection Limit
- H
 Holding times for preparation or analysis exceeded

 PQL
 Practical Quanitative Limit
 - S % Recovery outside of range due to dilution or matrix
- W Sample container temperature is out of limit as specified at testcode

Page 19 of 39

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/29/2019

CLIENT: Safety & Environmental Solutions		Cl	Client Sample ID: TT-7 4ft				
Project: JP White 4		(Collection Dat	e: 3/1	9/2019 9:00:00 AM		
Lab ID: 1903991-020	Matrix: SOIL		Received Dat	e: 3/2	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.ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

- H
 Holding times for preparation or analysis exceeded

 PQL
 Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- W Sample container temperature is out of limit as specified at testcode

Page 20 of 39

Hall Environmental Analysis Laboratory, Inc.			Lab Order 1903991 Date Reported: 3/29/2019					
CLIENT: Safety & Environmental	Solutions	Clien	t Sample II	D: TT	'-7 6ft			
Project: JP White 4		Coll	lection Dat	e: 3/1	9/2019 9:10:00 AM			
Lab ID: 1903991-021	Matrix: SOIL	Re	ceived Dat	e: 3/2	1/2019 9:05:00 AM			
Analyses	Result	RL Qu	ual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analy	st: 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.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 Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

Page 21 of 39

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/29/2019

CLIENT: Safety & Environmental Solutions			Client Sample ID: TT-7 8ft				
Project: JP White 4		(Collection Dat	e: 3/1	9/2019 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.

- * Value exceeds Maximum Contaminant Level.ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

- H Holding times for preparation or analysis exceeded
- S % Recovery outside of range d
- W Sample container temperature is out of limit as specified at testcode
- PQL Practical Quantative Limit
 - % Recovery outside of range due to dilution or matrix

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/29/2019

CLIENT: Safety & Environmental Solutions		Cl	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.

- * Value exceeds Maximum Contaminant Level. ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

- Н Holding times for preparation or analysis exceeded PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- W Sample container temperature is out of limit as specified at testcode
- Page 23 of 39

Hall Environmental Analysis Laboratory, Inc.				Lab Order 1903991 • Date Reported: 3/29/2019					
CLIENT:	Safety & Environmental S	olutions	Clien	t Sample I	D: TT-8 2ft				
Project:	JP White 4		Coll	lection Dat	e: 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 Qu	ial Units	DF Date Analyzed	Batch			
EPA METI	HOD 300.0: ANIONS				Analys	st: 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.

- * Value exceeds Maximum Contaminant Level.ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit
 - ing Detection Limit
- H Holding times for preparation or analysis exceededPQL Practical Quanitative 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.

Date Reported: 3/29/2019

CLIENT: Safety & Environmental Solution	s	Cl	ient Sample II): TT	-8 4ft	
Project: JP White 4		(Collection Dat	e: 3/1	9/2019 10:05:00 AM	
Lab ID: 1903991-025	Matrix: SOIL		Received Dat	e: 3/2	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.

- * Value exceeds Maximum Contaminant Level. ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

- Н Holding times for preparation or analysis exceeded PQL Practical Quanitative Limit
- S
- W Sample container temperature is out of limit as specified at testcode
- % Recovery outside of range due to dilution or matrix
- Page 25 of 39

Hall Environmental Analy	nc.	Lab Order 1903991 Date Reported: 3/29/2019					
CLIENT: Safety & Environmental So	lutions	Clien	t Sample II	D: TT	`-8 6ft		
Project: JP White 4		Coll	lection Dat	e: 3/1	9/2019 10:25:00 AM		
Lab ID: 1903991-026	Matrix: SOIL	Received Date: 3/21/2019 9:05:00 AM					
Analyses	Result	RL Qu	ual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	t: 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.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 Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

Page 26 of 39

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/29/2019

CLIENT: Safety & Environmental Solutions			Client Sample ID: TT-8 8ft				
Project: JP White 4		(Collection Dat	e: 3/1	9/2019 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					Analys	t: MRA	
Chloride	750	60	mg/Kg	20	3/26/2019 3:38:31 PM	43879	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	t: 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					Analys	t: NSB	
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	3/25/2019 12:32:49 PM	1 43820	
Surr: BFB	92.6	73.8-119	%Rec	1	3/25/2019 12:32:49 PM	1 43820	
EPA METHOD 8021B: VOLATILES					Analys	t: NSB	
Benzene	ND	0.023	mg/Kg	1	3/25/2019 12:32:49 PM	1 43820	
Toluene	ND	0.047	mg/Kg	1	3/25/2019 12:32:49 PM	1 43820	
Ethylbenzene	ND	0.047	mg/Kg	1	3/25/2019 12:32:49 PM	1 43820	
Xylenes, Total	ND	0.093	mg/Kg	1	3/25/2019 12:32:49 PM	1 43820	
Surr: 4-Bromofluorobenzene	97.3	80-120	%Rec	1	3/25/2019 12:32:49 PM	1 43820	

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

- * Value exceeds Maximum Contaminant Level. ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

- Н Holding times for preparation or analysis exceeded
- S
- W Sample container temperature is out of limit as specified at testcode
- PQL Practical Quanitative Limit
 - % Recovery outside of range due to dilution or matrix

Hall Environmental Analysis Laboratory, Inc.

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. ND Not Detected at the Reporting Limit

- Н Holding times for preparation or analysis exceeded
- RL Reporting Detection Limit W Sample container temperature is out of limit as specified at testcode
- PQL Practical Quanitative Limit % Recovery outside of range due to dilution or matrix
- S

Page 28 of 39

Hall Environmental Analy	Lab Order 1903991 Date Reported: 3/29/2019					
CLIENT: Safety & Environmental So	lutions	Clien	t Sample I	D: TT-9 2ft		
Project: JP White 4		Col	lection Dat	e: 3/19/2019 11:15:00 AN	1	
Lab ID: 1903991-029	Matrix: SOIL	Re	ceived Dat	e: 3/21/2019 9:05:00 AM		
Analyses	Result	RL Q	ual Units	DF Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS				Analy	st: MRA	
Chloride	5700	300	mg/Kg	100 3/27/2019 6:40:04 PM	A 43879	

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

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

Page 29 of 39

Hall Environmental Analysis Laboratory, Inc.

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. ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

- Н Holding times for preparation or analysis exceeded
- PQL Practical Quanitative Limit

W

S % Recovery outside of range due to dilution or matrix

Sample container temperature is out of limit as specified at testcode

Page 30 of 39

Hall Env	vironmental Anal		Lab Order 1903991 Date Reported: 3/29/2019				
CLIENT: S	Safety & Environmental S	olutions	Client	t Sample II	D: TT	`-9 6ft	
Project: J	JP White 4		Coll	ection Dat	e: 3/1	9/2019 11:40:00 AM	
Lab ID:	1903991-031	Matrix: SOIL	Received Date: 3/21/2019 9:05:00				
Analyses		Result	RL Qu	ial Units	DF	Date Analyzed	Batch
EPA METH	IOD 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:

W

- * Value exceeds Maximum Contaminant Level.ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit
 - Sample container temperature is out of limit as specified at testcode
- H
 Holding times for preparation or analysis exceeded

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

Page 31 of 39

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/29/2019

CLIENT: Safety & Environmental Solution	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. ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

- Н Holding times for preparation or analysis exceeded
- S
- W
- PQL Practical Quanitative Limit % Recovery outside of range due to dilution or matrix
- Sample container temperature is out of limit as specified at testcode

Page 32 of 39

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#:	1903991

29-Mar-1	9
----------	---

Client: Safety & Project: JP Whit	t Environmental Solutions e 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 Chloride	ResultPQLSPK valueND1.5	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual	
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	
Sample ID: LCS-43860 Client ID: LCSS	SampType: Ics Batch ID: 43860	TestCode: EPA Method RunNo: 58599	300.0: Anions	
·			300.0: Anions Units: mg/Kg	
Client ID: LCSS	Batch ID: 43860 Analysis Date: 3/25/2019	RunNo: 58599		
Client ID: LCSS Prep Date: 3/25/2019	Batch ID: 43860 Analysis Date: 3/25/2019	RunNo: 58599 SeqNo: 1968748	Units: mg/Kg	
Client ID: LCSS Prep Date: 3/25/2019 Analyte	Batch ID: 43860 Analysis Date: 3/25/2019 Result PQL SPK value	RunNo: 58599 SeqNo: 1968748 SPK Ref Val %REC LowLimit	Units: mg/Kg HighLimit %RPD RPDLimit Qual 110	
Client ID: LCSS Prep Date: 3/25/2019 Analyte Chloride	Batch ID: 43860 Analysis Date: 3/25/2019 Result PQL SPK value 14 1.5 15.00	RunNo: 58599 SeqNo: 1968748 SPK Ref Val %REC LowLimit 0 95.2 90	Units: mg/Kg HighLimit %RPD RPDLimit Qual 110	
Client ID: LCSS Prep Date: 3/25/2019 Analyte Chloride Sample ID: MB-43879	Batch ID: 43860 Analysis Date: 3/25/2019 Result PQL SPK value 14 1.5 15.00 SampType: MBLK	RunNo: 58599 SeqNo: 1968748 SPK Ref Val %REC LowLimit 0 95.2 90	Units: mg/Kg HighLimit %RPD RPDLimit Qual 110	
Client ID: LCSS Prep Date: 3/25/2019 Analyte Chloride Sample ID: MB-43879 Client ID: PBS	Batch ID: 43860 Analysis Date: 3/25/2019 Result PQL SPK value 14 1.5 15.00 SampType: MBLK Batch ID: 43879 Analysis Date: 3/26/2019	RunNo: 58599 SeqNo: 1968748 SPK Ref Val %REC 0 95.2 90 TestCode: EPA Method RunNo: 58632	Units: mg/Kg HighLimit %RPD RPDLimit Qual 110 300.0: Anions	
Client ID: LCSS Prep Date: 3/25/2019 Analyte Chloride Sample ID: MB-43879 Client ID: PBS Prep Date: 3/26/2019	Batch ID: 43860 Analysis Date: 3/25/2019 Result PQL SPK value 14 1.5 15.00 SampType: MBLK Batch ID: 43879 Analysis Date: 3/26/2019	RunNo: 58599 SeqNo: 1968748 SPK Ref Val %REC 0 95.2 90 TestCode: EPA Method RunNo: 58632 SeqNo: 1969916	Units: mg/Kg HighLimit %RPD RPDLimit Qual 110 300.0: Anions Units: mg/Kg	
Client ID: LCSS Prep Date: 3/25/2019 Analyte Chloride Sample ID: MB-43879 Client ID: PBS Prep Date: 3/26/2019 Analyte	Batch ID: 43860 Analysis Date: 3/25/2019 Result PQL SPK value 14 1.5 15.00 SampType: MBLK Batch ID: 43879 Analysis Date: 3/26/2019 Result PQL SPK value	RunNo: 58599 SeqNo: 1968748 SPK Ref Val %REC 0 95.2 90 TestCode: EPA Method RunNo: 58632 SeqNo: 1969916	Units: mg/Kg HighLimit %RPD RPDLimit Qual 110 300.0: Anions Units: mg/Kg HighLimit %RPD RPDLimit Qual	
Client ID: LCSS Prep Date: 3/25/2019 Analyte Chloride Sample ID: MB-43879 Client ID: PBS Prep Date: 3/26/2019 Analyte Chloride	Batch ID: 43860 Analysis Date: 3/25/2019 Result PQL SPK value 14 1.5 15.00 SampType: MBLK Batch ID: 43879 Analysis Date: 3/26/2019 Result PQL SPK value ND 1.5	RunNo: 58599 SeqNo: 1968748 SPK Ref Val %REC 0 95.2 90 TestCode: EP- Method RunNo: 58632 SeqNo: 1969916 SPK Ref Val %REC LowLimit	Units: mg/Kg HighLimit %RPD RPDLimit Qual 110 300.0: Anions Units: mg/Kg HighLimit %RPD RPDLimit Qual	
Client ID: LCSS Prep Date: 3/25/2019 Analyte Chloride Sample ID: MB-43879 Client ID: PBS Prep Date: 3/26/2019 Analyte Chloride Sample ID: LCS-43879	Batch ID: 43860 Analysis Date: 3/25/2019 Result PQL SPK value 14 1.5 15.00 SampType: MBLK Batch ID: 43879 Analysis Date: 3/26/2019 Result PQL SPK value ND 1.5 SampType: LC SampType: SampType:	RunNo: 58599 SeqNo: 1968748 SPK Ref Val %REC 0 95.2 90 TestCode: EP- Method RunNo: 58632 SeqNo: 1969916 SPK Ref Val %REC LowLimit SPK Ref Val %REC LowLimit TestCode: EP- Method TestCode: EP- Method EP-	Units: mg/Kg HighLimit %RPD RPDLimit Qual 110 300.0: Anions Units: mg/Kg HighLimit %RPD RPDLimit Qual	
Client ID: LCSS Prep Date: 3/25/2019 Analyte Chloride Sample ID: MB-43879 Client ID: PBS Prep Date: 3/26/2019 Analyte Chloride Sample ID: LCS-43879 Client ID: LCSS	Batch ID: 43860 Analysis Date: 3/25/2019 Result PQL SPK value 14 1.5 15.00 SampType: MBLK Batch ID: 43879 Analysis Date: 3/26/2019 Result PQL SPK value ND 1.5 SampType: LCS Batch ID: 43879 Analysis Date: 3/26/2019	RunNo: 58599 SeqNo: 1968748 SPK Ref Val %REC 0 95.2 90 TestCode: EP- Method RunNo: 58632 SeqNo: 1969916 SPK Ref Val %REC LowLimit SPK Ref Val %REC LowLimit TestCode: EP- Method SPK Ref Val %REC LowLimit TestCode: EP- Method RunNo: 58632 Exemption (1998)	Units: mg/Kg HighLimit %RPD RPDLimit Qual 110 300.0: Anions Units: mg/Kg HighLimit %RPD RPDLimit Qual 300.0: Anions	

Qualifiers:

Value exceeds Maximum Contaminant Level. *

- H Holding times for preparation or analysis exceeded
- PQL Practical Quanitative Limit

ND Not Detected at the Reporting Limit RL Reporting Detection Limit

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

- s
 - % Recovery outside of range due to dilution or matrix

Page 33 of 39

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#:	1903991
	29-Mar-19

Client: Safety & Project: JP White	t Environmental Solutions e 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) Surr: DNOP	ND 50 9.3 10.00	92.6 70 130
	5.5 10.00	52.0 10 100
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)		
Diesel Ralige Organics (DRO)	ND 10	
Motor Oil Range Organics (MRO)	ND 50	
		50.1 70 130 S
Motor Oil Range Organics (MRO)	ND 50	50.1 70 130 S TestCode: EPA Method 8015M/D: Diesel Range Organics
Motor Oil Range Organics (MRO) Surr: DNOP	ND 50 5.0 10.00	
Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: MB-43833	ND 50 5.0 10.00 SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: MB-43833 Client ID: PBS	ND 50 5.0 10.00 SampType: MBLK Batch ID: 43833 Analysis Date: 3/27/2019	TestCode: EPA Method 8015M/D: Diesel Range Organics RunNo: 58692
Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: MB-43833 Client ID: PBS Prep Date: 3/22/2019	ND 50 5.0 10.00 SampType: MBLK Batch ID: 43833 Analysis Date: 3/27/2019	TestCode: EPA Method 8015M/D: Diesel Range Organics RunNo: 58692 SeqNo: 1971266 Units: mg/Kg
Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: MB-43833 Client ID: PBS Prep Date: 3/22/2019 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO)	ND 50 10.00 5.0 10.00 10.00 SampType: MB MB Batch ID: 43833 Analysis Date: 3/27/2019 Result PQL SPK value ND 10 ND 50	TestCode: EPA Method 8015M/D: Diesel Range Organics RunNo: 58692 SeqNo: 1971266 Units: mg/Kg SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: MB-43833 Client ID: PBS Prep Date: 3/22/2019 Analyte Diesel Range Organics (DRO)	ND 50 5.0 10.00 SampType: MBLK Batch ID: 43833 Analysis Date: 3/27/2019 Result PQL SPK value ND 10	TestCode: EPA Method 8015M/D: Diesel Range Organics RunNo: 58692 SeqNo: 1971266 Units: mg/Kg
Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: MB-43833 Client ID: PBS Prep Date: 3/22/2019 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO)	ND 50 10.00 5.0 10.00 10.00 SampType: MB MB Batch ID: 43833 Analysis Date: 3/27/2019 Result PQL SPK value ND 10 ND 50	TestCode: EPA Method 8015M/D: Diesel Range Organics RunNo: 58692 SeqNo: 1971266 Units: mg/Kg SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: MB-43833 Client ID: PBS Prep Date: 3/22/2019 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP	ND 50 5.0 10.00 SampType: MB Batch ID: 43833 Analysis Date: 3/27/2019 Result PQL SPK value ND 10 ND 50 9.5 10.00	TestCode: EPA Method 8015M/D: Diesel Range Organics RunNo: 58692 SeqNo: 1971266 Units: mg/Kg SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual 94.7 70 130
Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: MB-43833 Client ID: PBS Prep Date: 3/22/2019 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: LCS-43833	ND 50 5.0 10.00 SampType: ₩ Batch 10.00 Batch 10.00 Analysis 333 Analysis 327/2019 Result PQL SPK value ND 10 ND 50 9.5 10.00	TestCode: EPA Method 8015M/D: Diesel Range Organics RunNo: 58692 SeqNo: 1971266 Units: mg/Kg SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual 94.7 70 130 TestCode: EPA Method 8015M/D: Diesel Range Organics
Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: MB-43833 Client ID: PBS Prep Date: 3/22/2019 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: LCS-43833 Client ID: LCSS Prep Date: 3/22/2019	ND 50 10.00 5.0 10.00 SampType: W Batch 13 Batch ND Result PQL ND 10 ND 10 ND 50 9.5 10.00 SampType: LCS Batch I. Analysis J. Analysis J.	TestCode: EPA Method 8015M/D: Diesel Range Organics RunNo: 58692 SeqNo: 1971266 Units: mg/Kg SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual 94.7 70 130
Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: MB-43833 Client ID: PBS Prep Date: 3/22/2019 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: LCS-43833 Client ID: LCSS	ND 50 10.00 5.0 10.00 SampType: W Batch 13 Batch ND Result PQL ND 10 ND 10 ND 50 9.5 10.00 SampType: LCS Batch I. Analysis J. Analysis J.	TestCode: EPA Method 8015M/D: Diesel Range Organics RunNo: 58692 SeqNo: 1971266 Units: mg/Kg SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual 94.7 70 130 130 TestCode: EPA Method 8015M/D: Diesel Range Organics RunNo: 58692 SeqNo: 1971268 Units: mg/Kg

Qualifiers:

Value exceeds Maximum Contaminant Level. *

H Holding times for preparation or analysis exceeded

PQL Practical Quanitative Limit

ND Not Detected at the Reporting Limit RL Reporting Detection Limit

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

s

% Recovery outside of range due to dilution or matrix

Client: Safety & Project: JP Whit	z Environm e 4	ental Sc	olutions								
Sample ID: 1903991-010AMS	S SampT	SampType: MS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: TT-5 4ft	Batch	h ID: 43	833 RunNo: 58692								
Prep Date: 3/22/2019	Analysis D	Date: 3/	27/2019	SeqNo: 1971271			Units: mg/H				
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: 1903991-010AMS	D SampT	уре: М	SD	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics		
Client ID: TT-5 4ft	Batch	atch ID: 43833 RunNo: 58692									
Prep Date: 3/22/2019	Analysis D	Date: 3/	27/2019	S	SeqNo: 1	971272	Units: mg/k	٢g			
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 Quanitative 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 & Project: JP White	Environme 4	ntal So	olutions							
Sample ID: MB-43820	SampTy	vpe: ME	BLK	TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch	Batch ID: 43820			RunNo: 58579					
Prep Date: 3/21/2019	Analysis Da	ate: 3/ 2	24/2019	5	SeqNo: 19	966841	Units: mg/k	ζg		
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	SampTy	/pe: LC	S	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID: LCSS	Batch	ID: 43	820	F	RunNo: 5 8	8579				
Prep Date: 3/21/2019	Analysis Da	ate: 3/ 2	24/2019	S	SeqNo: 1	966842	Units: mg/k	٤g		
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	SampTy	pe: MS	3	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID: TT-1 3ft	Batch ID: 43820			RunNo: 58579						
Prep Date: 3/21/2019	Analysis Da	ate: 3/	24/2019	S	SeqNo: 1	966844	Units: mg/k	٤g		
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: 1903991-001AMS	D SampTy	/pe: MS	SD	Tes	tCode: EF	PA Method	8015D: Gasc	line Rang	e	
Client ID: TT-1 3ft	Batch	ID: 43	820	F	RunNo: 5 8	8579				
Prep Date: 3/21/2019	Analysis Da	ate: 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	SampTy	vpe: ME	BLK	Tes	tCode: EF	PA Method	8015D: Gasc	line Rang	e	
Client ID: PBS	Batch	ID: 43	828	F	RunNo: 58	8605				
Prep Date: 3/22/2019	Analysis Da	ate: 3/ 2	25/2019	S	SeqNo: 19	967510	Units: mg/k	٤g		
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	SampTy	vpe: LC	S	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID: 1000	SampType: LCS			-	TestCode: EPA Method 8015D: Gasoline Range RunNo: 58605					
Client ID: LCSS	Batch	ID: 43	828	F	KUNINO: 30	6000				
Prep Date: 3/22/2019	Batch Analysis Da				SeqNo: 1		Units: mg/k	ζg		

Qualifiers:

PQL Practical Quanitative Limit

ND Not Detected at the Reporting Limit RL Reporting Detection Limit

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

s

% Recovery outside of range due to dilution or matrix

Page 36 of 39

Value exceeds Maximum Contaminant Level. *

H Holding times for preparation or analysis exceeded

Client: Project:	Safety & JP White	Environmen 4	ital So	olutions							
Sample ID:	LCS-43828	SampTy	be: LC	s	Tes	tCode: El	PA Method	8015D: Gasc	line Rang	e	
Client ID:	LCSS	Batch I	D: 43	828	F	RunNo: 5	8605				
Prep Date:	3/22/2019	Analysis Dat	te: 3/	25/2019	S	SeqNo: 1	967511	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range	e 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	SampTy	De: MS	6	Tes	tCode: El	PA Method	8015D: Gasc	line Rang	e	
Client ID:	TT-9 4ft	Batch I	D: 43	828	F	RunNo: 5	8605				
Prep Date:	3/22/2019	Analysis Dat	te: 3/	25/2019	S	SeqNo: 1	967513	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range	e Organics (GRO)	22	4.6	23.17	0	94.0	69.1	142			
Surr: BFB		970		926.8		105	73.8	119			
Sample ID:	1903991-030AMS	D SampTy	be: MS	SD	Tes	tCode: El	PA Method	8015D: Gasc	line Rang	e	
Client ID:	TT-9 4ft	Batch I	D: 43	828	F	RunNo: 5	8605				
Prep Date:	3/22/2019	Analysis Dat	te: 3/	25/2019	S	SeqNo: 1	967514	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range	e 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.

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 Quanitative 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 &Project:JP White	Environm 4	ental Sc	olutions							
Sample ID: MB-43820	Samp	Гуре: МЕ	BLK	Tes	tCode: EF	PA Method	8021B: Volat	tiles		
Client ID: PBS	Batc	h ID: 43	820	F	RunNo: 58	8579				
Prep Date: 3/21/2019	Analysis I	Date: 3/	24/2019	S	SeqNo: 19	966875	Units: mg/k	٢g		
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	Samp	Type: LC	S	Tes	tCode: EF	PA Method	8021B: Volat	tiles		
Client ID: LCSS	Batc	h ID: 43	820	F	RunNo: 5 8	8579				
Prep Date: 3/21/2019	Analysis I	Date: 3/	24/2019	S	SeqNo: 19	966876	Units: mg/k	٢g		
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	Samp	Туре: М	6	Tes	tCode: EF	PA Method	8021B: Volat	tiles		
Client ID: TT-1 4ft	Batc	h ID: 43	820	F	RunNo: 58	8579				
Prep Date: 3/21/2019	Analysis I	Date: 3/	24/2019	5	SeqNo: 19	966881	Units: mg/k	٢g		
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: 1903991-002AMS	D Samp	Гуре: М	SD.	Tes	tCode: EF	PA Method	8021B: Volat	tiles		
Client ID: TT-1 4ft	Batc	h ID: 43	820	F	RunNo: 5 8	8579				
			24/2010	S	SeqNo: 19	966882	Units: mg/k	٢g		
Prep Date: 3/21/2019	Analysis I	Date: 3/	24/2019							
Prep Date: 3/21/2019 Analyte	Analysis I Result	Date: 3/ PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
					%REC 110	LowLimit 63.9	HighLimit 127	%RPD 2.20	RPDLimit 20	Qual
Analyte	Result	PQL	SPK value	SPK Ref Val						Qual
Analyte Benzene	Result 1.1	PQL 0.024	SPK value 0.9681	SPK Ref Val 0	110	63.9	127	2.20	20	Qual
Analyte Benzene Toluene	Result 1.1 1.1	PQL 0.024 0.048	SPK value 0.9681 0.9681	SPK Ref Val 0 0	110 115	63.9 69.9	127 131	2.20 2.30	20 20	Qual

Qualifiers:

Value exceeds Maximum Contaminant Level. *

H Holding times for preparation or analysis exceeded

PQL Practical Quanitative Limit

ND Not Detected at the Reporting Limit RL Reporting Detection Limit

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

s

% Recovery outside of range due to dilution or matrix

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#:	1903991

29-Mar-19

	ety & Environm Vhite 4	nental Sc	olutions							
Sample ID: MB-43828		Туре: МЕ	a K	Tes	tCode: F	PA Method	8021B: Vola	tiles		
Client ID: PBS	•	ch ID: 43			RunNo: 5					
Prep Date: 3/22/2019	Analysis I				SeqNo: 1		Units: mg/k	(a		
Fiep Date. 3/22/2019	Analysis	Date. 3/	25/2019		beqino. Is	907 549	onits. mg/r	-		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene Ethylbenzene	ND ND	0.050 0.050								
Xylenes, Total	ND	0.000								
Surr: 4-Bromofluorobenzene	1.0	0.10	1.000		101	80	120			
Sample ID: LCS-43828	Samp	Туре: LC	S	Tes	tCode: EF	PA Method	8021B: Vola	tiles		
Client ID: LCSS		ch ID: 43		F	RunNo: 5	8605				
Prep Date: 3/22/2019	Analysis I	Date: 3/	25/2019	S	SeqNo: 19	967550	Units: mg/k	٢g		
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: 1903991-032	AMS Samp	Туре: МS	6	Tes	tCode: EF	PA Method	8021B: Vola	tiles		
Client ID: TT-9 8ft	Bato	ch ID: 43	828	F	RunNo: 58	8605				
Prep Date: 3/22/2019	Analysis I	Date: 3/	25/2019	S	SeqNo: 19	967553	Units: mg/k	٢g		
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: 1903991-032		Туре: МS		Tes	tCode: EF	PA Method	8021B: Vola	tiles		
Client ID: TT-9 8ft	Bato	ch ID: 43	828	F	RunNo: 58	8605				
	Analysis I	Date: 3/	25/2019	Ş	SeqNo: 19	967554	Units: mg/k	٢g		
Prep Date: 3/22/2019				SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Prep Date: 3/22/2019 Analyte	Result	PQL								
Analyte Benzene	0.88	0.023	0.9381	0	93.4	63.9	127	1.48	20	
Analyte Benzene Toluene	0.88 0.91	0.023 0.047	0.9381 0.9381	0 0	97.0	69.9	131	2.21	20	
Analyte Benzene Toluene Ethylbenzene	0.88 0.91 0.91	0.023 0.047 0.047	0.9381 0.9381 0.9381	0 0	97.0 97.1	69.9 71	131 132	2.21 2.13	20 20	
Analyte Benzene Toluene	0.88 0.91	0.023 0.047	0.9381 0.9381	0	97.0	69.9	131	2.21	20	

Qualifiers:

Value exceeds Maximum Contaminant Level. *

H Holding times for preparation or analysis exceeded

PQL Practical Quanitative Limit

ND Not Detected at the Reporting Limit RL Reporting Detection Limit

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

s

% Recovery outside of range due to dilution or matrix

is 1	HALL
	ENVIRONMENTAL
	ANALYSIS
	LABORATORY

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

Sample Log-In Check List

Client Name: Safety Env Solutions	Work Order Number: 19039	91	RcptNo: 1	
		IN MA	/	
Received By: Erin Melendrez	3/21/2019 9:05:00 AM	LIA	7	
Completed By: Leah Baca	3/21/2019 11:26:09 AM	Lal Bac	4	
Reviewed By: ENM	3/21/14	,_,,		
LB. YG 32119 Chain of Custody				
1. Is Chain of Custody complete?	Yes	No 🗌	Not Present	
2. How was the sample delivered?	Client			
Log In	r			
3. Was an attempt made to cool the samples?	Yes	No 🗌		
4. Were all samples received at a temperature o	f>0°C to 6.0°C Yes	No 🗌		
	2010/2010 - E			
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	
11. Does paperwork match bottle labels?	Yes	No 🗌	for pH:	
(Note discrepancies on chain of custody) 12. Are matrices correctly identified on Chain of C	ustody? Yes		(<2 or >12 unless noted) Adjusted?	
13. Is it clear what analyses were requested?	ustody? Yes 🛛 Yes 🔽			
14. Were all holding times able to be met?	Yes		Checked by: YG 3211	6
(If no, notify customer for authorization.)				
<u>Special Handling (if applicable)</u>			/	
15. Was client notified of all discrepancies with th	is 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	4.1	Good	Yes			

Client: Store & Client: Store & Client	Turn-Around Time:	HALL ENVIRONMENTAL
No WITWO		allenvironment
103		Hawkins NE - Albuqu
Phone #: 575 - 347-651 0	BAC-19-001	Tel. 505-345-3975 Fax 505-345-4107 Analysis Request
	Project Manager:	(O)
QA/QC Package:	Mellon Bell	O / MF O / MF (2MI
n D Other	Sampler: Se M Constrained in No.	- TPH (0 / DR 3,NO _{2,} I 1,20 S 3,NO _{2,} I 1,20 S 3,NO _{2,} I 1,20 S 3,NO _{2,} I 1,20 S 3,NO _{2,} I 1,20 S 1,20 S
🗆 EDD (Type)	Temperature: U .1°C	BE + 1,VO/ 1,NO 1,NO
Date Time Matrix Sample Request ID	ContainerPreservativeType and #TypeType1903991	Air Bubbles Air Bubbles Air Bubbles Air Bubbles Air Bubbles Air Bubbles
03/18 early 5 17-1 355	1 Nert -au	
03/18 1000 5 77-1 4tr	r r -002	
03/18/1030 5 71-2 3:00	-003	
03/13/10 5 M-3 (0For	/ / - 004	
53/12 (100 5 R-3 717	1 -005	
03/18 1105 5 71-4. Surfue	-000	
Office 1110 5 71-4 15-	602	
03/18 1150 TT-5 15-	/ /	
eslia (215) Tr-5 274	-009	
	7 - 010	
125 11-5	110-	
18 (250		
Date: Time: Reinquished by:	Received by: Date Time	Remarks:
, i	Received by COULIC Date Time OCS	
12/12 1/20 × 1/1/	1 to 3/2/19	
If necessary, samples submitted to Hall Environmental may be sub-	contracted to other accredited laboratories. This serves as notice of this	If necessary, samples somitted 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.

	ANALYSIS LABORATORY	www.hallenvironmental.com	4901 Hawkins NE - Albuquerque, NM 87109	Tel. 505-345-3975 Fax 505-345-4107	Analysis Request	(\triangle)	0 / WF (SMI) НЧ (1,20N 2,8082 (1,5 (1,5 (1,5 (1,5 (1,5 (1,5 (1,5))((1,5))(((1,5))(((1,5))(((1,5))(((1,5))(((1,5))(((1,5))(((1,5))(((1,5))(((1,5))(((1,5))(((1,5))(((1,5))(((1,5)		(GI (GI (GI (GI (GI (GI (GI (GI (GI (GI	TH + XJTB TF + XJTB TPH 8015B TPH 8015B TPH 8015B TPH 8016 TPH 8031 TPH 8031 TPH 8031 TPH 8031 TPH 8031 TPH 803 TPH 80	N3 XX			016			-010		X	NX XX	-023 6 16	-024 -5/211 -	e Remarks:	0900	Put	Y LI / I This material of this massivility. Any sub-contracted data will be closely notated on the analytical second
Turn-Around Time: S Bay No ch	Standard Rush Project Name:	THUNK KY	ノーモラ		1245-19-001	Project Manager:	at l'lew	Sampler: Dor Lenn	On Ice: XYes d'No	Temp	Container Type and # Type 190スタクリ)_) -						,			Received by: Date Time	7 320/19	Received by: COULTEL Date Tim	1
cord	that toucher went of	- Control	Clientau	GLONDS NUL 88240	Phone #: 575-347-0570	email or Fax#:	QA/QC Package:		NELAP Other	EDD (Type)	Date Time Matrix Sample Request ID	03/120155 5 PT-6 15+	03/18 0200 5 77-6 25-	0210 5 71		0-10 5 0500	03/19 0835 S 77-7 1 PT	07/19 0845 5 9T-7 2.FT	03/19 1900 5 Tr-7 444	03/19 0410 5 11-7 62-1	E319 0920 5 TT-7 8 FT			Time: Relinentshed by:	and was and	Date: Time: Relinquished by:	

Client State & Burlywingh	Turn-Around Time:	ENVIR
Solutions		
Mailing Address: 703 C. Clinton	ナレシテラシア	4901 Hawkins NE - Albuquerque, NM 87109
By NW REZGO	Project #:	10
Phone #: 575-397.0516	1246-19-001	
email or Fax#:	Project Manager:	(ot (0) (0)
QA/QC Package:	allen Fish	PO4, SG
Accreditation	Sampler: Se Sh June) H9T (1,2 (1,2 (1,4 (1) (1,2 (1,2 (1,2 (1,2 (1,2 (1,2) (1,2
EDD (Type)	Temperature: U 100	(GR 14 41 14 41 14 50 100 14 50 14 50 14 14 50 14 14 50 14 14 14 14 14 14 14 14 14 14 14 14 14
Date Time Matrix Sample Request ID	Container Preservative HEAL No. Type and # Type 190399	BTEX + MTE BTEX + MTE BTEX + MTE TPH 8015B TPH (Method POH's (8310 RCRA 8 Met 8081 Pesticio 8081 Pesticio 8081 Pesticio 8081 Pesticio 8250 (VOA 8250 (VOA 8250 (VOA 8081 Pesticio 8250 (VOA 8250 (VO
03/19 0435 5 17-8 122	-72-075	
esily ores 5 17-8 2.77	-24-92-	
03/9 1005 5 Tre 4Fr	-25 -013	
	-26-025	
03/19 1035 5 7T-8 EVER	620-22-	
63/19 (105 5 71-9 (FT	-28 034	
63/19 1115 5 11-9 240	-29-031	
03/19/120 > 11-0 45	-30-037	
9	3, 433	
2319 (155 2 15-9 35	-32-034	
T:		
03/20 03/00 DAY THE	Kill Stale Of a	Kemarks:
Date: Time: Relinquished by	Received by QUINCY Date Time 10005	
De l	ontracted to other accredited laboratories. This serves as notice of this	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 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,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Lab Order: 1907747

Hall Environ	mental Analysis La	aboratory, I	nc.			Ι	Date Reported: 7/2.	3/2019)
	Safety & Environmental Solu P White 4	utions			L	ab C	Drder: 1907	747	
Lab ID:	1907747-001		(Collect	ion Date	: 7/	10/2019 8:30:00 A	М	
Client Sample ID:	SP-1 WEST WALL				Matrix	: SC	DIL		
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Ba	tch ID
EPA METHOD 300	0.0: ANIONS						An	alyst:	smb
Chloride		ND	60)	mg/Kg	20	7/18/2019 4:09:06	PM	46249
Lab ID:	1907747-002		(Collect	ion Date	: 7/	10/2019 8:45:00 A	М	
Client Sample ID:	SP-9 NORTH WALL				Matrix	: SC	DIL		
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Ba	tch ID
EPA METHOD 300 Chloride	0.0: ANIONS	ND	60)	mg/Kg	20		alyst: PM	smb 46249
Lab ID:	1907747-003		(Collect	ion Date	: 7/	10/2019 12:10:00	PM	
Client Sample ID:	SP-5 SOUTH WALL				Matrix	: SC	DIL		
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Ba	tch ID
EPA METHOD 300	0.0: ANIONS						An	alyst:	smb
Chloride		ND	60)	mg/Kg	20		-	46249
Lab ID:	1907747-004		(Collect	ion Date	: 7/	10/2019 1:00:00 P	M	
Client Sample ID:	SP-13 EAST WALL				Matrix	: SC	DIL		
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Ba	tch ID
EPA METHOD 300	0.0: ANIONS						An	alyst:	smb
Chloride		ND	60)	mg/Kg	20	7/18/2019 4:46:20	PM	46249
Lab ID:	1907747-005		(Collect	ion Date	: 7/	10/2019 1:30:00 P	Μ	
Client Sample ID:	SP-4 BOTTOM 4FT				Matrix	: SC	DIL		
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Ba	tch ID
EPA METHOD 300	0.0: ANIONS						An	alyst:	MRA
Chloride		3700	150)	mg/Kg	50	7/22/2019 7:34:00	PM	46271

Hall Environmental Analysis Laboratory Inc

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

* Value exceeds Maximum Contaminant Level. **Qualifiers:**

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix S

Е Value above quantitation range

Analyte detected in the associated Method Blank

Analyte detected below quantitation limits J

Sample pH Not In Range Р

P Sample pH Not I RL Reporting Limit

в

Page 1 of 4

Lab Order: 1907747

Hall Environ	mental Analysis La	nc.	Date Reported: 7/23/2019										
	afety & Environmental Sol P White 4	utions		L	ab C)rder: 19077	47						
Lab ID:	1907747-006		Colle	ection Date	: 7/1	10/2019 2:20:00 PM	М						
Client Sample ID:	SP-6 BOTTOM 4FT	Matrix: SOIL											
Analyses		Result	RL Q	ual Units	DF	Date Analyzed	Batch ID						
EPA METHOD 300	.0: ANIONS					Ana	alyst: MRA						
Chloride		3600	150	mg/Kg	50	7/22/2019 7:46:25	PM 46271						
Lab ID:	1907747-007		Colle	ection Date	: 7/1	15/2019 9:15:00 A	М						
Client Sample ID:	SP-2 BOTTOM 4FT		Matrix: SOIL										
Analyses		Result	RL Q	ual Units	DF	Date Analyzed	Batch ID						
EPA METHOD 300 Chloride	0.0: ANIONS	2200	60	mg/Kg	20		alyst: MRA PM 46271						
Lab ID:	1907747-008		Colle	ection Date	: 7/1	15/2019 9:40:00 A	М						
Client Sample ID:	SP-3 BOTTOM 4FT			Matrix	: SC	DIL							
Analyses		Result	RL Q	ual Units	DF	Date Analyzed	Batch ID						
EPA METHOD 300	.0: ANIONS					Ana	alyst: MRA						
Chloride		1100	60	mg/Kg	20	7/19/2019 5:02:43	PM 46271						
Lab ID:	1907747-009		Colle	ection Date	: 7/1	15/2019 9:55:00 A	М						
Client Sample ID:	SP-7 BOTTOM 4FT			Matrix	: SC	DIL							
Analyses		Result	RL Q	ual Units	DF	Date Analyzed	Batch ID						
EPA METHOD 300 Chloride	0.0: ANIONS	2200	60	mg/Kg	20	Ana 7/19/2019 5:15:07	alyst: MRA PM 46271						
Lab ID:	1907747-010		Colle	ection Date	: 7/1	15/2019 10:15:00 A	AM						
Client Sample ID:	SP-8 BOTTOM 4FT			Matrix	: SC	DIL							
Analyses		Result	RL Q	ual Units	DF	Date Analyzed	Batch ID						
EPA METHOD 300	.0: ANIONS					Ana	alyst: MRA						

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

* Value exceeds Maximum Contaminant Level. Qualifiers:

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix S

Е Value above quantitation range

Analyte detected in the associated Method Blank

Analyte detected below quantitation limits J

P Sample pH Not I RL Reporting Limit Sample pH Not In Range

в

Page 2 of 4

Lab Order: 1907747

Hall Environ	mental Analysis La	Inc. Date Reported: 7/23/2019											
	afety & Environmental Solu P White 4	itions	Lab Order: 1907747										
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 I										
EPA METHOD 300	0.0: ANIONS		Analyst: MR/										
Chloride		1100	60 mg/Kg 20 7/19/2019 5:39:56 PM 4627										
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 I										
EPA METHOD 300 Chloride	0.0: ANIONS	1100	Analyst: MR/ 60 mg/Kg 20 7/19/2019 2:22:23 PM 4628										
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 I										
EPA METHOD 300	0.0: ANIONS		Analyst: MRA										
Chloride		2300	60 mg/Kg 20 7/19/2019 2:34:48 PM 4628										
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 I										
EPA METHOD 300 Chloride	0.0: ANIONS	2000	Analyst: MR/ 60 mg/Kg 20 7/19/2019 2:47:12 PM 4628										
	1007717.015												
Lab ID:	1907747-015		Collection Date: 7/15/2019 2:05:00 PM										
•	SP-15 BOTTOM 4FT	T . T .	Matrix: SOIL										
Analyses		Result	RL Qual Units DF Date Analyzed Batch I										
EPA METHOD 300	0.0: ANIONS	0	Analyst: MR/										
Chloride		2000	60 mg/Kg 20 7/19/2019 2:59:37 PM 4628										

nmontal Analysis I abaratary Hall Envi Inc

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

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

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix S

Е Value above quantitation range

Analyte detected in the associated Method Blank

- Analyte detected below quantitation limits J
- Sample pH Not In Range Р RL Reporting Limit

в

Page 3 of 4

	y & Environmental Solutions													
Project: JPV	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		SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual										
Chloride	ND 1.5													
Sample ID: LCS-46249	SampType: LCS	TestCode: EPA Method	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	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: Ics	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: Ics	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										
•														

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

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY	7 TEL: 505-345-3	ntal Analysis Labord 4901 Hawkin Albuquerque, NM 8 975 FAX: 505-345 Anallenvironmental	s NE 7109 San 4107	Sample Log-In Check List							
Client Name: Safety Env Solutions	Work Order Numb	per: 1907747		RcptNo:	1						
Received By: Leah Baca Completed By: Desiree Dominguez Reviewed By: ENM	7/16/2019 9:15:00 / 7/16/2019 11:57:42 7/16/2019		Lad Bree De	i,							
Chain of Custody	1017										
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 sampl	es?	Yes 🔽	No 🗌								
4. Were all samples received at a temperat	ture of >0° C to 6.0°C	Yes 🗹	No 🗌								
5. Sample(s) in proper container(s)?		Yes 🗸	No 🗌								
6. Sufficient sample volume for indicated te	st(s)?	Yes 🗹	No 🗌								
7. Are samples (except VOA and ONG) pro	perly preserved?	Yes 🖌	No 🗌								
8. Was preservative added to bottles?		Yes	No 🗹	NA 🗌							
 9. VOA vials have zero headspace? 10. Were any sample containers received bit 	nken?	Yes □ _{Yes} □	No 🗌 No 🗹 [No VOA Vials 🗹							
 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) 12. Are matrices correctly identified on Chair 	n of Custody?	Yes 🗹	No 🗌	# of preserved bottles checked for pH: (<2 or > Adjusted?	12 unless noted)						
13. Is it clear what analyses were requested	?	Yes 🗹	No 🗌	Officked by: D	an maria						
14. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes 🗹	No	Unlecked by: Dt	······································						
Special Handling (if applicable)											
15. Was client notified of all discrepancies w	vith this order?	Yes	No 🗌	NA 🔽							
Person Notified: By Whom: Regarding: Client Instructions:	Date: Via:	· · · ·	hone 🗌 Fax	In Person							
16. Additional remarks:				·····							
17. <u>Cooler Information</u>	tan na da ante na estador en est	 	. 1997 - Alexandre State	8							

-.....

۰. بر	Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal	Date	Signed By
ŀ	1	4.7	Good	Not Present				
	2	5.5	Good	Not Present			* * SAA Souddan own sourceafter	

....

			4901 Hawkins NE - Albuquerque, NM 87109	10	Anal	¢0¹	РО⁴' S SMISC PCB's О / MR	А D К 28082 04.1) 52827(7022, 702, 70	003 103 10 0 10 0 10 0 10 0 10 0 10 0 10	MTI MTI atric 83 Me 83 Me 83 Me 83 Me 7 Me	ВТЕХ / ТРН:801 В081 Ре В260 (М В260 (V В270 (S Соtal Cc												Remarks:	है		f 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.
Turn-Around Time,	Standard □ Rush		J. When the	Project #:	BAC-19-001	Project Manager:	Allew, Beb	Sampler: Soke Jerry	olers. 2	Cooler Tempineuting crit: 4 しょんじょくり オピ Stop	Container Preservative HEAL No. Type and # Type True True 190 3 303	Nerf	1 - 002	1 - 003	1 - 004	1 - 005	/ - 00lo	100-1	- 003	-000	1 - 010	-01	Received by Via: Date Time		Received by via: Courtus' Date Time	ontracted to other accredited laboratories. This serves as notice o
Chain-of-Custody Record		Selumin	Mailing Address: 703 & Clinton	Hebbs NM SS243	5- 397	email or Fax#:	QA/QC Package:	Accreditation:	vpe)		Date Time Matrix Sample Name	> 0 X 3 U	50.9	on 10 1210 50 5 3000	brico 1300 5. 12 Cartin		07/10/1420 5P.6 Berrar 457	orlistoges SR2 Reman 4A	WIS 8946 SR3 Borran 4A	MICIONER SP BAREN 494	ENLS 1015 SP-8 Berrar 4 Pt	07/5/12/5 SP10 Remar 42	Time: Relinquished by	Q	Date: Time: Relindentshed by a	If necessary, samples submitted to Hall Environmental may be suboc

	4901 Hawkins NE - Albuquerque, NM 87109	Tel. 505-345-3975 Fax 505-345-4107		(>C) () () () () ()	PO₄,SG (Cas ol ol AR	HPH (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	(GF (GF (GF (GF (GF (GF (GF (GF (GF (GF	TM + XJTB TM + XJTB TPH 8015B TPH 8015B TPH 8016 CMetho (FCS) 8 Metho FDB (Metho FDB (Metho FDB (Metho CM 8270 (Semi- CM 4 M S270 (Semi- CM 4 M S270 (Semi- CM 4 M S250 S250 S250 S250 S250 S250 S250 S250								100 × 00	Time: Relindustratov Received by Received
	して いちょうやく	Project #:	100-11-001	Project Manager:	Allen, Bolo	Sampler: Sam	Sample Temperature: 2 ^{cm bos}	Container Preservative HEAL No. Type and # Type IGO 구구 4구	1 Nade -012	-013	1 - 014	1 -015				Received by: A fine Time	Received by March Carlo Under Time A A A A A A A A A A A A A A A A A A A
Chain-of-Custody Record Client: Super, of Gul Unterningul	CLINTON	240	Phone #: 575-397-0510	email or Fax#:	QA/QC Package:	Accreditation	EDD (Type)	est ID	07/15/120 5 5R11 Romen 49	07/15/1250 5 5P12 Roman 4pr	en115/1330 5 5P.14 mm 45	orlis/45 5 Sp 15 Better 450				Date: Time: Relinquished by:	Date: Time: Relinquener our Date: Time: Relinquener our Date: Time: Relinquener our Date: Time: Relinquener our Date: Time: Ti



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,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environme	ntal Analysis Laboratory, In	nc.			Lab Order 1907992 Date Reported: 7/26/2	019
CLIENT: Safety & Env	ironmental Solutions	Clien	t Sample II	D: SP	-16 North Wall	
Project: J P White 4		Col	lection Date	e: 7/1	7/2019 10:25:00 AM	1
Lab ID: 1907992-001	Matrix: SOIL	Re	ceived Date	e: 7/1	9/2019 9:25:00 AM	
Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: A	NIONS				Analy	st: 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: *

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

Value exceeds Maximum Contaminant Level.

- 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

Page 1 of 12

Hall Environmental Analysis Laboratory, Inc.			Lab Order 1907992 Date Reported: 7/26/2019				
CLIENT: Safety & Environmental Sol	utions	Client	Sample II	D: SP	-17 South Wall		
Project: J P White 4		Collection Date: 7/17/2019 11:30:00 AM			[
Lab ID: 1907992-002	Matrix: SOIL	Ree	ceived Dat	e: 7/1	9/2019 9:25:00 AM		
Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analys	st: 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: *

- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- NDNot Detected at the Reporting LimitPQLPractical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

Value exceeds Maximum Contaminant Level.

- 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

Page 2 of 12

Hall Environmental Ana	lysis Laboratory, I	nc.			Lab Order 1907992 Date Reported: 7/26 /2	2019
CLIENT: Safety & Environmental S	Solutions	Clien	t Sample II	D: SP	-18 Bottom 4Ft	
Project: J P White 4		Collection Date: 7/17/2019 1:15:00 PM				
Lab ID: 1907992-003	Matrix: SOIL	Re	ceived Dat	e: 7/1	9/2019 9:25:00 AM	
Analyses	Result	RL Qu	ual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analy	st: MRA
Chloride	2400	150	mg/Kg	50	7/25/2019 10:51:18 A	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.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

Page 3 of 12

Hall Environmental Analysis Laboratory, Inc.			Lab Order 1907992 Date Reported: 7/26/2019					
CLIENT: Safety & Environmental So	olutions	Clier	nt Sample II	D: SP	-19 North Wall			
Project: J P White 4		Col	llection Dat	e: 7/1	7/2019 2:25:00 PM			
Lab ID: 1907992-004	Matrix: SOIL	R	eceived Dat	e: 7/1	9/2019 9:25:00 AM			
Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analys	t: MRA		
Chloride	ND	60	mg/Kg	20	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: *

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

Value exceeds Maximum Contaminant Level.

- 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

Page 4 of 12

Hall En	vironmental Ana	lysis Laboratory, Inc	2.			Lab Order 1907992 Date Reported: 7/26/20	19
CLIENT:	Safety & Environmental S	Solutions	Client	t Sample II	D: SP	-20 Bottom 4Ft	
Project:	J P White 4		Coll	ection Dat	e: 7/1	8/2019 9:15:00 AM	
Lab ID:	1907992-005	Matrix: SOIL	Re	ceived Dat	e: 7/1	9/2019 9:25:00 AM	
Analyses		Result	RL Qu	ial Units	DF	Date Analyzed	Batch
EPA METH	HOD 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.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

Page 5 of 12

Hall Envi	ronmental An	alysis Laboratory, Inc	•			Lab Order 1907992 Date Reported: 7/26/2	2019
CLIENT: Sat	fety & Environmental	Solutions	Clie	nt Sample II	D: SP	-21 Bottom 4Ft	
Project: J P	P White 4		Collection Date: 7/18/2019 10:05:00 AM			1	
Lab ID: 19	07992-006	Matrix: SOIL	F	Received Dat	e: 7/1	9/2019 9:25:00 AM	
Analyses		Result	RL (Qual Units	DF	Date Analyzed	Batch
EPA METHO	D 300.0: ANIONS					Analy	st: MRA
Chloride		2400	150	mg/Kg	50	7/25/2019 11:03:42 A	M 46373

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

Qualifiers: *

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

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

Page 6 of 12

Hall Environmental Ana	alysis Laboratory, I	nc.			Lab Order 1907992 Date Reported: 7/26 /2	2019
CLIENT: Safety & Environmental	Solutions	Clien	t Sample II	D: SP	-22 Bottom 4Ft	
Project: J P White 4		Collection Date: 7/18/2019 10:20:00 AM			Ν	
Lab ID: 1907992-007	Matrix: SOIL	Re	ceived Dat	e: 7/1	9/2019 9:25:00 AM	
Analyses	Result	RL Qu	ial Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analy	/st: MRA
Chloride	2300	150	mg/Kg	50	7/25/2019 11:16:06 A	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. D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

Page 7 of 12

Hall Environmental Analysis Laboratory, Inc.			Lab Order 1907992 C. Date Reported: 7/26/2019					
CLIENT: Safety & Environmental So	lutions	Clien	t Sample II	D: SP	-23 South Wall			
Project: J P White 4		Col	lection Dat	e: 7/1	8/2019 11:15:00 AM	1		
Lab ID: 1907992-008	Matrix: SOIL	Re	ceived Dat	e: 7/1	9/2019 9:25:00 AM			
Analyses	Result	RL Qu	ual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analy	st: MRA		
Chloride	380	60	mg/Kg	20	7/24/2019 10:13:08 P	M 46374		

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

Qualifiers: *

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

Value exceeds Maximum Contaminant Level.

- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

Page 8 of 12

Hall Env	vironmental Ana	lysis Laboratory, In	IC.			Lab Order 1907992 Date Reported: 7/26/2	2019
CLIENT: S	Safety & Environmental S	olutions	Client	t Sample II	D: SP	-24 Bottom 4Ft	
Project: J	P White 4		Collection Date: 7/18/2019 1:15:00 PM				
Lab ID: 1	1907992-009	Matrix: SOIL	Re	ceived Dat	e: 7/1	9/2019 9:25:00 AM	
Analyses		Result	RL Qu	ial Units	DF	Date Analyzed	Batch
EPA METH	IOD 300.0: ANIONS					Analy	st: MRA
Chloride		2300	150	mg/Kg	50	7/25/2019 11:28:31 A	M 46374

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

Qualifiers: *

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

Value exceeds Maximum Contaminant Level.

- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

Page 9 of 12

Hall Environmental Anal	ysis Laboratory, I	nc.			Lab Order 1907992 Date Reported: 7/26 /2	2019
CLIENT: Safety & Environmental So	olutions	Client	t Sample II	D: SP	-25 Bottom 4Ft	
Project: J P White 4		Collection Date: 7/18/2019 1:50:00 PM				
Lab ID: 1907992-010	Matrix: SOIL	Re	ceived Dat	e: 7/1	9/2019 9:25:00 AM	
Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analy	st: MRA
Chloride	1100	60	mg/Kg	20	7/24/2019 11:27:36 F	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.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

Page 10 of 12

Hall Environmental Analysis Laboratory, Inc.			Lab Order 1907992 • Date Reported: 7/26/2019					
CLIENT: Safety & Environmental So	lutions	Clier	nt Sample II	D: SP	-26 North Wall			
Project: J P White 4		Collection Date: 7/18/2019 2:25:00 PM						
Lab ID: 1907992-011	Matrix: SOIL	R	eceived Dat	e: 7/1	9/2019 9:25:00 AM			
Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analys	st: MRA		
Chloride	380	60	mg/Kg	20	7/25/2019 12:04:50 A	M 46374		

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

Qualifiers: *

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

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

Page 11 of 12

WO#:	1907992			
	2C L.1 10			

Client:SafetyProject:J P Wh	& Environmental Solutions ite 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.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

Page 12 of 12

26-Jul-19

HALL ENVIRONMENTAL ANALYSIS LABORATORY	TEL: 505-345-3975	Analysis Laboratory 4901 Hawkins NE iquerque, NM 87109 FAX: 505-345-4107 llenvironmental.com	Sam	ple Log-In Check List
Client Name: Safety Env Solutions	Work Order Number:	1907992		RcptNo: 1
Received By: Desiree Dominguez Completed By: Erin Melendrez Reviewed By: ENM	7/19/2019 9:25:00 AM 7/19/2019 1:13:01 PM フパロパロ	T	Pa	2
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 🗌	
5. Sample(s) in proper container(s)?		Yes 🗹	No 🗌	
6. Sufficient sample volume for indicated test(s))?	Yes 🗹	No 🗌	
7. Are samples (except VOA and ONG) properly	y preserved?	Yes 🗹	No 🗌	
8. Was preservative added to bottles?		Yes	No 🗹	NA 🗌
9. VOA vials have zero headspace?		Yes	No 🗌	No VOA Vials 🗹
10. Were any sample containers received broke	n?	Yes	No 🗹	# of preserved
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 🗹	No 🗌	bottles checked for pH: (<2 or >12 unless noted)
12. Are matrices correctly identified on Chain of	Custody?	Yes 🗹	No 🗌	Adjusted?
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 🗌	Checked by: DAD 7/19/19
Special Handling (if applicable)				
15. Was client notified of all discrepancies with t	his order?	Yes	No 🗌	NA 🗹
Person Notified: By Whom: Regarding: Client Instructions:	Date: Via:] eMail 📋 Phone	e 🗌 Fax	In Person
16. Additional remarks:				t e este en
17. Cooler Information		eal Date Sigr	ned By	

	Tel. 505-345-3975 Fax 505-345-4107 Analysis Request	(VIno 265 (VINO 2004) (2004) (2004)	(10 PH ((2RO / DRG 418.1) 504.1) 115 1023,102,1 115 115 115 115 115 115 115 115 115 1	BTEX + MTB BTEX + MTB BTFX + MTB TPH 8015B (i TPH (Method PAH's (8310 RCRA 8 Metis B081 Pesticid 8260B (VOA) 8250 (Semi-V Anions (F,CI,I R270 (Semi-V Anions (C,CA)	X										Remarks:		Find the first of the subsected to other according laboratories. This cancer of this processivility. Any cub contracted data will be cloudy notated on the analytical second
Turn-Around Time: Rush Standard Rush Project Name:	Project #:	Project Manager:	Sampler: S&M Lund On Ice: A Yes D No Sample Temporature: U 1001-235	ative HEAL	1 Just -001	/ / /02	/ -003	1-004	- <u>505-</u> ///////////////////////////////////	-000-	-008	1 -009	-010	/ +011	Received by: Date Time		LES COULTIER 7/19/198:25
Client: Sufty & Evil Workwuld	81260 97-0570	Fax#: ckage: ard		Date Time Matrix Sample Request ID	07/17 (225 5 SPIL North WELL	01/1 /130 > SOIT Sweeting	50-18	07/17 145 5 5p-19 monthe	0415 8 58-20 Tame -	02/18 1000 S DIMA 18640414	1115 & 5P23 Sumb	07/18/1315/5 5.R.24 Retter yet	07/18 1350 & KR25 Bother AA	67/18 11 4251 5 15P26 WWEN	Date: Time: Relinquietted by:	Time: Relineduished By:	10/19/1700 Consistent and the Hall Environmental may be experiment



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,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Anal	ysis Laboratory, In	ic.			Lab Order 1908106 Date Reported: 8/9/201	9
CLIENT: Safety & Environmental So	olutions	Clien	t Sample II	D: SP	-28 BOTT. 4FT	
Project: JP White 4		Col	lection Dat	e: 7/3	0/2019 9:30:00 AM	
Lab ID: 1908106-001	Matrix: SOIL	Re	ceived Dat	e: 8/2	/2019 9:00:00 AM	
Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	t: 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.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range RL Reporting Limit
- Page 1 of 15

Hall Env	vironmental Ana	lysis Laboratory, Inc				Lab Order 1908106 Date Reported: 8/9/201	9
CLIENT: S	Safety & Environmental S	Solutions	Cli	ient Sample II	D: SP	-29 BOTT. 4FT	
Project: J	P White 4		C	Collection Dat	e: 7/3	30/2019 10:00:00 AM	
Lab ID: 1	908106-002	Matrix: SOIL		Received Dat	e: 8/2	2/2019 9:00:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METH	OD 300.0: ANIONS					Analys	t: 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 Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

Page 2 of 15

Hall Environmental Anal	ysis Laboratory, In	с.			Lab Order 1908106 Date Reported: 8/9/201	9
CLIENT: Safety & Environmental So	olutions	Clien	t Sample II	D: SP	-30 North Wall	
Project: JP White 4		Col	lection Dat	e: 7/3	0/2019 10:15:00 AM	
Lab ID: 1908106-003	Matrix: SOIL	Re	ceived Dat	e: 8/2	2/2019 9:00:00 AM	
Analyses	Result	RL Q	ual 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.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit

- 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

Page 3 of 15

S % Recovery outside of range due to dilution or matrix

Hall Environmental Anal	ysis Laboratory, In	с.			Lab Order 1908106 Date Reported: 8/9/201	9
CLIENT: Safety & Environmental Sc	lutions	Clien	t Sample II	D: SP	-27 South Wall	
Project: JP White 4		Col	lection Dat	e: 7/3	0/2019 10:45:00 AM	
Lab ID: 1908106-004	Matrix: SOIL	Re	ceived Dat	e: 8/2	2/2019 9:00:00 AM	
Analyses	Result	RL Q	ual 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.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

Page 4 of 15

Hall En	vironmental Ana	lysis Laboratory, Ind	с.			Lab Order 1908106 Date Reported: 8/9/201	9
CLIENT:	Safety & Environmental S	Solutions	Clier	nt Sample II	D: SP	-31 BOTT. 4FT	
Project:	JP White 4		Со	llection Dat	e: 7/3	0/2019 12:20:00 PM	
Lab ID:	1908106-005	Matrix: SOIL	R	eceived Dat	e: 8/2	/2019 9:00:00 AM	
Analyses		Result	RL Q	Qual Units	DF	Date Analyzed	Batch
EPA METH	HOD 300.0: ANIONS					Analyst	t: 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: *

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

Value exceeds Maximum Contaminant Level.

- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

Page 5 of 15

Hall E	nvironmental Ana	lysis Laboratory, Inc	2.				Lab Order 1908106 Date Reported: 8/9/201	9
CLIENT:	Safety & Environmental S	olutions	Cl	ient Sa	ample II	D: SP	-32 BOTT. 4FT	
Project:	JP White 4		(Collect	ion Dat	e: 7/3	0/2019 1:00:00 PM	
Lab ID:	1908106-006	Matrix: SOIL		Recei	ved Dat	e: 8/2	2/2019 9:00:00 AM	
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA MET	THOD 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. D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

Page 6 of 15



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,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall En	vironmental Ana	lysis Laboratory, In	с.			Lab Order 1908503 Date Reported: 8/14/20	19
CLIENT:	Safety & Environmental S	Solutions	Clier	nt Sample II	D: SP	1 @ 6'	
Project:	FP White 4		Co	llection Dat	e: 8/8	2019 1:00:00 PM	
Lab ID:	1908503-001	Matrix: SOIL	R	eceived Dat	e: 8/9	/2019 8:30:00 AM	
Analyses		Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METH	HOD 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.

* Value exceeds Maximum Contaminant Level. **Qualifiers:**

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

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

Page 1 of 3

Hall Environmental Anal	ysis Laboratory, In	ic.			Lab Order 1908503 Date Reported: 8/14/20	19
CLIENT: Safety & Environmental So	olutions	Clien	t Sample II	D: SP	1 @ 7'	
Project: FP White 4		Col	lection Dat	e: 8/8	/2019 1:15:00 PM	
Lab ID: 1908503-002	Matrix: SOIL	R	eceived Dat	e: 8/9	/2019 8:30:00 AM	
Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: 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.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

Page 2 of 3

14-Aug-19

Client: Project:	Safety & Er FP White 4		ental Sc	olutions							
Sample ID: MB-4	6757	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID: PBS		Batch	ID: 46	757	F	unNo: 62	2096				
Prep Date: 8/13	6/2019 A	nalysis D	ate: 8/	13/2019	S	eqNo: 21	08091	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID: LCS-	46757	SampT	ype: LC	S	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID: LCSS	6	Batch	ID: 46	757	F	unNo: 62	2096				
Prep Date: 8/13	3/2019 A	nalysis D	ate: 8/	13/2019	S	eqNo: 21	08092	Units: mg/K	g		
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.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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



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

Sample Log-In Check List

Clie	nt Name:	Safety Env	Solutions	Work	Order Number	: 19085(03		RcptNo	: 1		
Com	eived By:(pleted By: ewed By:	Dahiel Leah Bac HB			9 8:30:00 AM 9 10:45:33 AM IG		Last	SBac	L.			
1. Is		<u>tody</u> ustody comp sample deliv			·	Yes	_	> 🗆	Not Present			
<u>Loc</u> 3. w		pt made to c	cool the sampl	es?		Yes ៴	2 No	•	NA 🗔			
4. w	ere all samp	oles received	at a temperat	ture of >0° C t	to 6.0°C	Yes 🔽	No					
5. sa	am pl e(s) in _l	proper conta	iner(s)?			Yes 🕨	No No					
7. Ar	e samples (or indicated te and ONG) pro bottles?		ed?	Yes 🗹 Yes 🔽 Yes 🗌	no No		NA 🗌			
9. vo	OA vials hav	e zero heads	space?			Yes	_		No VOA Vials 🗹			
11. Do	bes paperwo	ork match bo	ers received br ttle labels? ain of custody)			Yes Yes ⊻	_		# of preserved bottles checked for pH:	r >12 un	less noted)	,*
			tified on Chair			Yes 🗹] No		Adjusted?			
14. W	ere all holdi	ng times able	ere requested? to be met? authorization.)	?		Yes ☑ Yes ☑			Checked by:	DAD	8/9//9	
		ing (if app				-	-1					
15.∿ Г	,		iscrepancies w	vith this order?	·	Yes L	No	> []	NA 🗹	-		
	By Who Regard				Date Via: [] eMail	[] Phone [] Fax	In Person			
16. A	dditional re	marks:							······································	_]		
17. <u>c</u>	Cooler Infor											
	Cooler No		Condition	Seal Intact	Seal No	Seal Date	Signed	Ву				
	1 2	4.2 5.5	Good Good	Yes Yes		1646 n. 1869 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990			1999 P. 1999 P			
	I—	1	,		1 1		1		1			

									(N	110) Y)	səlddu8 iiA											verca	t
	HALL ENVIRONMENTAL ANALYSTS LABODATODY		Albuquerque, NM 87109	107						(A	0/	-im92) 0728							-		-		flase call results to Reberca	and footbollere
(ΝZ	45-4	est							AOV) 80828						_		-+-		-	5	م) ا
ĺ	Ľ .] Jenta	rque	505-345-4107	sequ	<u> </u>	s'B:	ЪС	2808	/ 9		sos1 Pestic					 		 		+	1	E	al al
		ironn	ndne	Fax 5	sis I	(*)S'*	'Od	^{'7} ON	ʻ°Ç)N(∂∃) snoinA	7	7								1	nς	Available
j	Ξž	www.hallenvironmental.com	dIA -	ш	Analysis Request					(slet	ACRA 8 Me										1	Ø	4
	HALL	w.ha	Ш Z	975			(5	SMI)168) a'HA9										<u></u> ୁ	1/-	1 Peter State
1		× *	kins	345-3								EDB (Metho										2000 212	g	
_		-	4901 Hawkins NE	Tel. 505-345-3975		(0)	<u> </u>					odiaM) H9T								_		9	ઝુ	AS Seo AS
			901	Tel. 5								1PH 8015B							 			- <u>is</u> -	E	St ∎
			v									BTEX + MT							 			Remarks:	- 1	eihilitu
—						<u>`</u>		0/ -		-			1	2		_	 					<u>لي</u>		-O
72 hr Turn			ų.		10			515		No / 👘	-42/5 6-01-355	HEAL No. 1908603	/00-	-002								Date Time	Date Time	8(9/19 8:30
	<u>F</u>		the work, #4	þ	100-01-7			U. O. F. B. B. D.			Sample Temperature#3-0/	Preservative Type	702	Taf	2			- - - -						- Courted
Turn-Around Time:	□ Standard	Project Name:	- d F	Project #:	120ch	Project Manage		Rehai	Sampler:	On Ice:	Sample Ten	Container Type and #										Received	Received by	potracted to other a
Chain-of-Custody Record	Client: Southered 2001 ut 1009, IN				510	MODIN 0 555-0 MIDON		Level 4 (Full Validation)				Sample Request ID	5910101	501071)							7	Reno-	Por M.L.H. Received to the Revented to the according laboratories. This serves as notice of this possibility. An experimental may be subcontracted to the according laboratories. This serves as notice of this possibility. An experimentation of the possibility and experimentation of the possibility.
ustody	4 mlaz	(NHCM1)	-		525-3970510	JEL @	•			5		Samp	SP	ХP)							ed by:	Relinquished by:	
I-of-CI	ter 36	124	}		25-2				C C C			Matrix										Relinquished by:	-	Samulas sultmi
Chain	Sille	70 3	Mailing Address:			email or Fax#:	QA/QC Package:	Standard	Accreditation		🗆 EDD (Type)	Time	8/03/10 / LOUNN	UILSPM	-							Time:	<u> イの別の令</u> 入 Date: Time:	B
-	Client		Mailin		Phone #:	email	QA/QC	□ Sta	Accreditati			Date	210gh	Logo								Date:	Collocate:	AA AP

Hall Environmental Ana	lysis Laboratory, Ir	nc.	Lab Order 1908106 Date Reported: 8/9/2019									
CLIENT: Safety & Environmental	Solutions	Client Sample ID: SP-33 BOTT. 4FT										
Project: JP White 4		Coll	ection Dat	e: 7/3	0/2019 1:30:00 PM							
Lab ID: 1908106-007	Matrix: SOIL	Re	ceived Dat	e: 8/2	2/2019 9:00:00 AM							
Analyses	Result	RL Qu	ial Units	DF	Date Analyzed	Batch						
EPA METHOD 300.0: ANIONS					Analys	t: 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: *

- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceededND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

Value exceeds Maximum Contaminant Level.

- 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

Page 7 of 15

Hall Environmental Anal	ysis Laboratory, In	с.	Lab Order 1908106 Date Reported: 8/9/2019									
CLIENT: Safety & Environmental So	olutions	Client	Sample II	D: SP	-34 South Wall							
Project: JP White 4		Coll	ection Dat	e: 7/3	0/2019 1:55:00 PM							
Lab ID: 1908106-008	Matrix: SOIL	Ree	Received Date: 8/2/2019 9:00:00 AM									
Analyses	Result	RL Qu	al 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.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

Page 8 of 15

Hall En	vironmental Anal	ysis Laboratory, In	Lab Order 1908106 C. Date Reported: 8/9/2019								
CLIENT:	Safety & Environmental S	olutions	Clie	nt Sample II	D: SP	-35 BOTT. 4FT					
Project:	JP White 4		Co	llection Dat	e: 8/1	/2019 10:30:00 AM					
Lab ID:	1908106-009	Matrix: SOIL	R	eceived Dat	2/2019 9:00:00 AM						
Analyses		Result	RL Q	Qual Units	DF	Date Analyzed	Batch				
EPA METH	HOD 300.0: ANIONS					Analys	t: 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.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

Page 9 of 15

Hall Environmental Analy	ysis Laboratory, In	ic.	Lab Order 1908106 Date Reported: 8/9/2019									
CLIENT: Safety & Environmental So	lutions	Clien	nt Sample II	D: SP	-36 BOTT. 4FT							
Project: JP White 4		Col	llection Dat	e: 8/1	/2019 11:05:00 AM							
Lab ID: 1908106-010	Matrix: SOIL	R	eceived Dat	e: 8/2	2/2019 9:00:00 AM							
Analyses	Result	RL Q	ual 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.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

Page 10 of 15

Hall En	vironmental Anal	ysis Laboratory, Inc	•	Lab Order 1908106 Date Reported: 8/9/2019									
CLIENT:	Safety & Environmental So	olutions	Cl	ient Sa	ample II	D: SP	-37 BOTT. 4FT						
Project:	JP White 4		(Collect	ion Dat	e: 8/1	/2019 11:40:00 AM						
Lab ID:	1908106-011	Matrix: SOIL		Recei	ved Dat	e: 8/2	2/2019 9:00:00 AM						
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Batch					
EPA METH	HOD 300.0: ANIONS						Analyst	t: 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.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

Page 11 of 15

Hall Environmental Anal	ysis Laboratory, Inc	2.	Lab Order 1908106 Date Reported: 8/9/2019								
CLIENT: Safety & Environmental Second	olutions	Clie	ent Sample I	D: SP	-38 North Wall						
Project: JP White 4		С	ollection Dat	e: 8/1	/2019 12:15:00 PM						
Lab ID: 1908106-012	Matrix: SOIL]	Received Dat	e: 8/2	2/2019 9:00:00 AM						
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch					
EPA METHOD 300.0: ANIONS					Analyst	t: 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.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit

- 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

Page 12 of 15

S % Recovery outside of range due to dilution or matrix

Hall Environmental An	alysis Laboratory, Inc	с.	Lab Order 1908106 Date Reported: 8/9/2019							
CLIENT: Safety & Environmenta	1 Solutions	Client Sample ID: SP-39 East Wall								
Project: JP White 4		C	ollection Dat	e: 8/1	/2019 1:10:00 PM					
Lab ID: 1908106-013	Matrix: SOIL	I	Received Dat	e: 8/2	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: *

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

Value exceeds Maximum Contaminant Level.

- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

Page 13 of 15

Hall Environmental Ana	alysis Laboratory, Inc	С.	Lab Order 1908106 Date Reported: 8/9/2019								
CLIENT: Safety & Environmental	Solutions	Client Sample ID: SP-40 North Wall									
Project: JP White 4		Co	ollection Dat	e: 8/1	/2019 2:10:00 PM						
Lab ID: 1908106-014	Matrix: SOIL	R	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.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

Page 14 of 15

Analytical Report
Lab Order 1908106

WO#:	1908106
	09-Aug-19

Client: Project:	Safety & JP White	Environmo 4	ental Sc	lutions							
Sample ID: M	B-46606	SampT	ype: mb	olk	Tes	tCode: El	PA Method	300.0: Anion	5		
Client ID: PI	BS	Batch	n ID: 46	606	F	anNo: 6	1950				
Prep Date: 8	8/6/2019	Analysis D	ate: 8/	6/2019	S	eqNo: 2	101140	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID: LO	CS-46606	SampT	ype: Ics		Tes	tCode: El	PA Method	300.0: Anions	5		
Client ID: LO	css	Batch	n ID: 46	606	F	tunNo: 6	1950				
Prep Date: 8	8/6/2019	Analysis D	0ate: 8/	6/2019	5	eqNo: 2	101141	Units: mg/K	g		
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: M	B-46621	SampT	ype: mt	olk	Tes	tCode: El	PA Method	300.0: Anions	5		
Client ID: PI	BS	Batch	n ID: 46	621	F	tunNo: 6	1950				
Prep Date: 8	8/6/2019	Analysis D	0ate: 8/	6/2019	S	eqNo: 2	101175	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID: LO	CS-46621	SampT	ype: Ics		Tes	tCode: El	PA Method	300.0: Anions	5		
Client ID: LO	css	Batch	n ID: 46	621	F	lunNo: 6	1950				
Prep Date: 8	8/6/2019	Analysis D	0ate: 8/	6/2019	S	eqNo: 2	101176	Units: mg/K	g		
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.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

HALL ENVIRONMI ANALYSIS LABORATOI		Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com				Sample Log-In Check List						
Client Name: Safety	Env Solutions	Work Order Number	: 1908	106		RcptN	o: 1					
Received By: Chri	sB.	8/2/2019 9:00:00 AM										
Completed By: Erin Reviewed By:	Melendrez	8/2/2019 11:41:56 AM 8 2 19	I		inter	7						
Chain of Custody												
1. Is Chain of Custody of	complete?		Yes	✓	No 🗌	Not Present 🗌						
2. How was the sample	delivered?		<u>Couri</u>	<u>er</u>								
Log In 3. Was an attempt made	e to cool the samples?	2	Yes	✓	No 🗍	NA 🗌						
4. Were all samples reco	eived at a temperature	of >0° C to 6.0°C	Yes	✓	No 🗌	NA 🗌						
5. Sample(s) in proper c	container(s)?		Yes	✓	No 🗌							
6. Sufficient sample volu	me for indicated test(s	s)?	Yes	~	No 🗌							
7. Are samples (except \	/OA and ONG) proper	ly preserved?	Yes		No 🗔							
8. Was preservative add	ed to bottles?		Yes		No 🗹	NA 🗌	1					
9. VOA vials have zero h	eadspace?		Yes [No 🗌	No VOA Vials 🗹	/					
10. Were any sample cor	tainers received broke	en?	Yes		No 🗹 🛛	# of preserved	/					
11. Does paperwork matc (Note discrepancies of			Yes	✓	No 🗆	bottles checked for pH:	r >12 unless noted)					
12. Are matrices correctly	••	Custody?	Yes		No 🗆	Adjusted?						
13 Is it clear what analyse	es were requested?	·		/	No 🗌	/ -	sur alali					
14. Were all holding times (If no, notify customer			Yes		No 🗆	Checked by:	Y6 81214					
Special Handling (if						/						
15. Was client notified of	all discrepancies with	this order?	Yes		No 🗆	NA 🗹						
Person Notified By Whom: Regarding: Client Instructio		Date: T] eMai	I 🗌 Pho	ne 🗌 Fax	In Person						
16. Additional remarks: 17. <u>Cooler Information</u>	₹											

.

Cooler No		Condition	Seal Intact	Date Signed By
1	0.7	Good	Yes	
2	3.4	Good	Yes	

ENVTBONMENTAL	ANALYSIS LABORATORY	www.hallenvironmental.com	Albuquerque, NM 87109	Fax 505-345-4107				(1 () ()	2 /0^ (səp	Aoinons (F,Cl 8081 Pestici AOV) 8088 8250 (Semi- Ant Alir Bubbles i Alir Bubbles i	X															WRR
		www.hallenvi	4901 Hawkins NE - Albı	Tel. 505-345-3975 F	Analy		AM \ OS	0 / DF 8.1) 4.1)	01 8 9 90 9 4 1	87EX + XJTB 198 (Method PH's (Bathod 199 (Method 199 (8310 199 в Метро 199 в										· · · ·			Remarks:			
	lard Bush		WHAT -7		-19-001	~	(Seb	TANK LUM IN AND AND	S. 8-6 4-8.4	Preservative Type ICOSINO	Nar -001	- 002	-003	-004	500-	-0000	- 007	- 008	H90-	-010	110-	– Óič	, Date Time Rem	- 8/1/19 1630	$\mathcal{H}_{\mathcal{N}_{\mathcal{I}},\mathcal{I},\mathcal{I}} = \mathcal{J}_{\mathcal{I}}^{Date Time} \mathcal{J}_{\mathcal{I}}^{Date Time}$	
Turn-Around Tim	□ Standard	Project Name:	\~	Project #:	0H	Project Manager	Meu,	Sampler:	Sample Temperature	Container Type and #	<u> </u>	/	/	/	ĺ		**		_	Ì	1		Receiped by:	All -	Received by:))
Chain-of-Custody Record	a lety & Owl Usuma RI	Morria	Ś	= N.W 88240	5-397.0570		Level 4 (Full Validation)	□ Other		Matrix Sample Request ID	< 5. 5. 28 But 44	5 SP.29 BUT 4F	5 SP 30 North WER	5 SP. 27 Sorth WELL	5 SP 31 Bads	12 K	5 58-73 Par 4FT	S Spipt South will	S JON ROUTE	S 52 21 Bar 45	5 Ser the the the	5 151-38 North WW	Relinquished by:	John Henry	Reifinquished by:	
Chain-c	Client: Set	•	Mailing Address: 7	ADDS	Phone #: 57%	email or Fax#:	QA/QC Package:	Accreditation	EDD (Tvpe)		07/20 0930	07/25 1000	87/30 10K	0120 Callo	07/30 1220	0120 1200	0140 190	07/30/255	0%/01 1030	DX161 1165	0761 /140	okloi 1215	: Time:	0		011/11/11/10

.

 HALL ENVIRONMENTAL HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109 4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107 Tel. 505-345-3975 Request 	TPH 8015B (GRO / DRO / MRO) TPH (Method 504.1) EDB (Method 504.1) PAH's (8310 or 8270 SIMS) RCRA 8 Metals Anions (F,CI,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄) 8081 Pesticides / 8082 PCB's 8081 Pesticides / 8082 PCB's 8260B (VOA) 8260B (VOA) 82500 (YOA) 8250 (Semi-VOA) 8250 (YOA) 8250 (YOA) 8250 (Semi-VOA) 8250 (YOA) 8250 (YOA) 8250 (YOA) 8250 (YOA) 8250 (YOA) 8250 (YOA) 8250 (Semi-VOA) 8250 (YOA) 8250 (YOA) 8250 (YOA) 8250 (Semi-VOA) 8250 (YOA) 8250 (YOA) 8250 (YOA) 8250 (Semi-VOA) 8250 (YOA) 8250 (YOA) 8			Time: Relipeonts/Tech Dyr. Received Dyr. Date Time Remarks: 1630 57 1630 1630 1630 11me: Refinquisped br: 0ate Time 10.02 11me: Refinquisped br: 0ate Time 11me: Refinquisped br: 0.02.2.1.4 11me: Refinquisped br: 0.02.2.1.4 11me: Refinquisped br: 0.02.2.1.4 11me: Refinquisped br: 0.02.2.1.4 11me: Refinquisped br: 0.02.2.1.4
	BTEX + MTBE + TPH (Gas only)			Remarks: 0 of this possibility. Ar
Turn-Around Time: Rush Standard Rush Project Name: Project #: Project #:	Project Manager: Project Manager: Sampler: Set Man Bob On ice: Set Man Bob Sample Temperature: S. 8 - 0.4 2 Set Container Preservative HEAL No Type and # Type Add No	- 014 - 014		Date Time Date Time N. B Date Time Date Time
Turn-Around Standard Project Name: Project #:		> - 5 9		Received by Reserved by
Client: Client	email or Fax#: QA/QC Package: Candard Level 4 (Full Validation) Accreditation Accreditation Del Date Time Matrix Sample Request ID	161 130 5 5P-39 CARTUL		Date: Time: Relipedished by: Solid 1630 Son Lew Date: Time: Relimquished by: A for the sumples dufinitied to Hall Environmental may be su



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,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall En	vironmental Ana	lysis Laboratory, In	с.		Lab Order 1908B93 Date Reported: 8/28/20 ample ID: SP-1 1Ft tion Date: 8/13/2019 10:15:00 AM ved Date: 8/21/2019 9:02:00 AM Units DF Date Analyzed		
CLIENT:	Safety & Environmental S	Solutions	Client	Sample II	D: SP	-1 1Ft	
Project:	J P White 4 Pads		Coll	ection Dat	e: 8/1	3/2019 10:15:00 AM	ſ
Lab ID:	1908B93-001	Matrix: SOIL	Received Date: 8/21/2019 9:02:00 AM				
Analyses		Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METH	HOD 300.0: ANIONS					Analy	st: CAS
Chloride		ND	60	mg/Kg	20	8/28/2019 12:08:04 A	M 47099

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

Qualifiers: *

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

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

Page 1 of 22

Hall Environmental Anal	ysis Laboratory, I	nc.			Lab Order 1908B93 Date Reported: 8/28/2	2019
CLIENT: Safety & Environmental S	olutions	Client	t Sample II	D: SP	-2 1Ft	
Project: J P White 4 Pads		Coll	ection Dat	e: 8/1	3/2019 10:50:00 AM	1
Lab ID: 1908B93-002	Matrix: SOIL	Re	ceived Dat	e: 8/2	1/2019 9:02:00 AM	
Analyses	Result	RL Qu	ıal Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analy	st: CAS
Chloride	210	60	mg/Kg	20	8/28/2019 12:20:29 A	M 47099

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

Qualifiers: * Value exceeds Maximum Contaminant Level.

- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

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

Page 2 of 22

Hall Env	ironmental Anal	ysis Laboratory, Ir	nc.		Lab Order 1908B93 Date Reported: 8/28/20 mple ID: SP-3 1Ft ion Date: 8/13/2019 11:10:00 AM ved Date: 8/21/2019 9:02:00 AM			
CLIENT: Sa	afety & Environmental S	olutions	Client	Sample II	D: SP	-3 1Ft		
Project: J	P White 4 Pads		Coll	ection Dat	e: 8/1	3/2019 11:10:00 AN	1	
Lab ID: 19	908B93-003	Matrix: SOIL	Re	ceived Dat	e: 8/2	21/2019 9:02:00 AM		
Analyses		Result	RL Qu	al Units	DF	Date Analyzed	Batch	
EPA METHO	DD 300.0: ANIONS					Analy	st: CAS	
Chloride		ND	60	mg/Kg	20	8/28/2019 12:57:42 A	M 47099	

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

Qualifiers: *

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

Value exceeds Maximum Contaminant Level.

- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

Page 3 of 22

Hall Er	nvironmental Ana	lysis Laboratory, Ir	nc.		ved Date: 8/21/2019 9:02:00 AM Units DF Date Analyzed		19		
CLIENT:	Safety & Environmental S	olutions	Client	t Sample II	D: SP	-4 1Ft			
Project:	J P White 4 Pads		Collection Date: 8/13/2019 12:20:00 PM						
Lab ID:	1908B93-004	Matrix: SOIL	Re	Received Date: 8/21/2019 9:02:00 AM					
Analyses		Result	RL Qu	al Units	DF	Date Analyzed	Batch		
EPA MET	HOD 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.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

Page 4 of 22

Hall En	vironmental Ana	lysis Laboratory, In	IC.			Lab Order 1908B93 Date Reported: 8/28/20	19
CLIENT:	Safety & Environmental S	Solutions	Client	Sample II	D: SP	-5 1Ft	
Project:	J P White 4 Pads		Coll	ection Dat	e: 8/1	3/2019 1:10:00 PM	
Lab ID:	1908B93-005	Matrix: SOIL	Ree	ceived Dat	1/2019 9:02:00 AM		
Analyses		Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METH	HOD 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. D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

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

Page 5 of 22

Hall Environmental Ar	alysis Laboratory, Ir	ıc.			Lab Order 1908B93 Date Reported: 8/28/2	2019
CLIENT: Safety & Environmenta	al Solutions	Client	t Sample II	D: SP	-6 1Ft	
Project: J P White 4 Pads		Coll	ection Dat	e: 8/1	5/2019 9:00:00 AM	
Lab ID: 1908B93-006	Matrix: SOIL	Re	ceived Dat	e: 8/2	1/2019 9:02:00 AM	
Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analy	st: CAS
Chloride	ND	60	mg/Kg	20	8/28/2019 1:59:44 AM	A 47099

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

Qualifiers:

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

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

Page 6 of 22

Hall En	vironmental Ana	llysis Laboratory, In	с.			Lab Order 1908B93 Date Reported: 8/28/2	019
CLIENT:	Safety & Environmental	Solutions	Client	Sample II	D: SP	-7 1Ft	
Project:	J P White 4 Pads		Coll	ection Dat	e: 8/1	5/2019 9:20:00 AM	
Lab ID:	1908B93-007	Matrix: SOIL	Re	ceived Dat	e: 8/2	1/2019 9:02:00 AM	
Analyses		Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA MET	HOD 300.0: ANIONS					Analys	st: 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.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

Analytical Report

Page 7 of 22

Hall Environmental Ana	lysis Laboratory, I	nc.			Lab Order 1908B93 Date Reported: 8/28/2	2019
CLIENT: Safety & Environmental S	Solutions	Client	t Sample II	D: SP	-8 1Ft	
Project: J P White 4 Pads		Coll	ection Dat	e: 8/1	5/2019 9:45:00 AM	
Lab ID: 1908B93-008	Matrix: SOIL	Re	ceived Dat	e: 8/2	1/2019 9:02:00 AM	
Analyses	Result	RL Qu	ıal Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analy	st: CAS
Chloride	ND	60	mg/Kg	20	8/28/2019 2:49:22 AM	A 47105

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

Qualifiers: *

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

Value exceeds Maximum Contaminant Level.

- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

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

Page 8 of 22

Hall Environmental Analy	nc.	Lab Order 1908B93 Date Reported: 8/28/2019					
CLIENT: Safety & Environmental So	lutions	Client	t Sample II	D: SP	-9 West Wall		
Project: J P White 4 Pads		Coll	ection Dat	e: 8/1	5/2019 10:05:00 AM	1	
Lab ID: 1908B93-009	Matrix: SOIL	Received Date: 8/21/2019 9:02:00 AM					
Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analy	st: 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.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit

- 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

Page 9 of 22

S % Recovery outside of range due to dilution or matrix

Hall Environmental Analy	nc.	Lab Order 1908B93 Date Reported: 8/28/2019					
CLIENT: Safety & Environmental So	lutions	Client	Sample II	D: SP	-10 East Wall		
Project: J P White 4 Pads		Coll	ection Dat	e: 8/1	5/2019 10:20:00 AM	[
Lab ID: 1908B93-010	Matrix: SOIL	Received Date: 8/21/2019 9:02:00 AM					
Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analy	st: 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.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

Page 10 of 22

Hall Environmental Analys	ic.	Lab Order 1908B93 Date Reported: 8/28/2019					
CLIENT: Safety & Environmental Solu	utions	Client	Sample II	D: SP	-11 Bottom 4Ft		
Project: J P White 4 Pads		Coll	ection Dat	e: 8/1	5/2019 10:30:00 AM	[
Lab ID: 1908B93-011	Matrix: SOIL	Re	Received Date: 8/21/2019 9:02:00 AM				
Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analys	st: CAS	
Chloride	260	60	mg/Kg	20	8/28/2019 4:16:15 AN	47105	

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

Qualifiers:

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

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

Page 11 of 22

Hall Environmental Analy	nc.	Lab Order 1908B93 Date Reported: 8/28/2019					
CLIENT: Safety & Environmental So	lutions	Client	Sample II	D: SP	-12 West Wall		
Project: J P White 4 Pads		Coll	ection Dat	e: 8/1	5/2019 12:10:00 PM		
Lab ID: 1908B93-012	Matrix: SOIL	Received Date: 8/21/2019 9:02:00 AM					
Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analys	st: CAS	
Chloride	220	60	mg/Kg	20	8/28/2019 4:28:39 AN	47105	

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

Qualifiers: *

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

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

Page 12 of 22

Hall Environmental Analy	nc.	Lab Order 1908B93 Date Reported: 8/28/2019					
CLIENT: Safety & Environmental Sc	lutions	Client	t Sample II	D: SP	-13 Bottom 4Ft		
Project: J P White 4 Pads		Coll	ection Dat	e: 8/1	5/2019 1:20:00 PM		
Lab ID: 1908B93-013	Matrix: SOIL	Received Date: 8/21/2019 9:02:00 AM					
Analyses	Result	RL Qu	ial Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analy	st: 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.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

Page 13 of 22

Hall Environmental Ana	nc.	Lab Order 1908B93 Date Reported: 8/28/201					
CLIENT: Safety & Environmental S	Solutions	Clien	t Sample II	D: SP	-14 1Ft		
Project: J P White 4 Pads		Col	lection Dat	e: 8/1	5/2019 1:40:00 PM		
Lab ID: 1908B93-014	Matrix: SOIL	Re	ceived Dat	e: 8/2	1/2019 9:02:00 AM		
Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analy	st: 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.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

Page 14 of 22

Hall Environmental Ana	nc.	Lab Order 1908B93 C. Date Reported: 8/28/2019					
CLIENT: Safety & Environmental S	Solutions	Clien	t Sample II	D: SP	-15 1Ft		
Project: J P White 4 Pads		Coll	ection Dat	e: 8/1	6/2019 10:15:00 AM	ſ	
Lab ID: 1908B93-015	Matrix: SOIL	Re	ceived Dat	e: 8/2	1/2019 9:02:00 AM		
Analyses	Result	RL Qu	ual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analys	st: 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.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

Page 15 of 22

Hall Environmental Ana	nc.	Lab Order 1908B93 C. Date Reported: 8/28/2019						
CLIENT: Safety & Environmental S	Solutions	Clien	t Sample II	D: SP	-16 1Ft			
Project: J P White 4 Pads		Coll	ection Dat	e: 8/1	6/2019 12:35:00 PM			
Lab ID: 1908B93-016	Matrix: SOIL	Re	ceived Dat	e: 8/2	1/2019 9:02:00 AM			
Analyses	Result	RL Qu	ıal Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analys	st: 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.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

Page 16 of 22

Hall Environmental Anal	nc.	Lab Order 1908B93 C. Date Reported: 8/28/2019					
CLIENT: Safety & Environmental So	olutions	Client	t Sample II	D: SP	-17 1Ft		
Project: J P White 4 Pads		Coll	ection Dat	e: 8/1	6/2019 1:30:00 PM		
Lab ID: 1908B93-017	Matrix: SOIL	Received Date: 8/21/2019 9:02:00 AM					
Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analy	st: 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. D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- Analyte detected in the associated Method Blank В
- Е Value above quantitation range Analyte detected below quantitation limits
- J Р Sample pH Not In Range
- RL Reporting Limit
- Page 17 of 22

Analytical Report Lab Orden 1000D02

Hall Environmental Ana	nc.	Lab Order 1908B93 C. Date Reported: 8/28/2019						
CLIENT: Safety & Environmental	Solutions	Clien	t Sample II	D: SP	-18 1Ft			
Project: J P White 4 Pads		Coll	ection Dat	e: 8/1	6/2019 10:00:00 AM	[
Lab ID: 1908B93-018	Matrix: SOIL	Re	ceived Dat	e: 8/2	1/2019 9:02:00 AM			
Analyses	Result	RL Qu	ıal Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analys	st: 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.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

Page 18 of 22

Hall Environmental Analysis Laboratory, In				Lab Order 1908B93 Date Reported: 8/28/2019					
CLIENT:	Safety & Environmental S	olutions	Client	Sample II	D: SP	-19 1Ft			
Project:	J P White 4 Pads		Coll	ection Dat	e: 8/1	6/2019 10:55:00 AM			
Lab ID:	1908B93-019	Matrix: SOIL	Re	ceived Dat	e: 8/2	21/2019 9:02:00 AM			
Analyses		Result	RL Qu	al Units	DF	Date Analyzed	Batch		
EPA MET	HOD 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.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

Analytical Report

Page 19 of 22

Hall Environmental Anal	nc.	Lab Order 1908B93 Date Reported: 8/28/2019					
CLIENT: Safety & Environmental So	olutions	Client	t Sample II	D: SP	-20 1Ft		
Project: J P White 4 Pads		Coll	ection Dat	e: 8/1	6/2019 11:25:00 AN	1	
Lab ID: 1908B93-020	Matrix: SOIL	Received Date: 8/21/2019 9:02:00 AM					
Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analy	st: CAS	
Chloride	120	60	mg/Kg	20	8/28/2019 6:45:09 AM	A 47105	

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

Qualifiers: *

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

- B Analyte detected in the associated Method Blank
- E Value above quantitation rangeJ Analyte detected below quantitation limits
- JAnalyte detected below quantitation limitPSample pH Not In Range
- r Sample pH Not In RL Reporting Limit

Page 20 of 22

Analytical Report Lab Order 1908B93

Hall Er	nvironmental Ana	lysis Laboratory, Inc	•	Lab Order 1908B93 Date Reported: 8/28/2019										
CLIENT:	Safety & Environmental S	Solutions	Cli	ent Sa	mple II	D: C-1	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 MET	HOD 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.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

Page 21 of 22

WO#:	1908B93
	10 4

Client: Project:	Safety & J P White	Environmental So e 4 Pads	olutions										
Sample ID:	MB-47099	SampType: m	blk	Tes	tCode: EF	A Method	300.0: Anions	s					
Client ID:	PBS	Batch ID: 47	099	F	RunNo: 62	2447							
Prep Date:	8/27/2019	Analysis Date: 8,	27/2019	S	SeqNo: 21	124883	Units: mg/K	g					
Analyte Chloride		Result PQL ND 1.5	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Sample ID:	LCS-47099	SampType: Ic:	6	Tes	tCode: EF	A Method	300.0: Anions	s					
Client ID:	LCSS	Batch ID: 47	099	RunNo: 62447									
Prep Date:	8/27/2019	Analysis Date: 8/	/27/2019	S	SeqNo: 21	124884	Units: mg/K	g					
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: m l	blk	Tes	tCode: EF	A Method	300.0: Anions	S					
Client ID:	PBS	Batch ID: 47	105	F									
Prep Date:	8/27/2019	Analysis Date: 8	/28/2019	S	SeqNo: 21	124915	Units: mg/K	g					
Analyte Chloride		Result PQL ND 1.5	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Sample ID:	LCS-47105	SampType: Ic:	6	Tes	tCode: EF	A Method	300.0: Anions	s					
Client ID:	LCSS	Batch ID: 47	105	F	RunNo: 62	2447							
Prep Date:	8/27/2019	Analysis Date: 8	/28/2019	S	SeqNo: 21	124916	Units: mg/Kg						
Analyte Chloride		Result PQL 14 1.5	SPK value 15.00	SPK Ref Val	%REC 95.3	LowLimit 90	HighLimit 110	%RPD	RPDLimit	Qual			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

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

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

Page 22 of 22

	ANAL	RONMEN [.] YSIS RATORY	FAL		EL: 505-345-	ental Analysis L 4901 H Albuquerque, 3975 FAX: 505 w.hallenvironn	awkins NE NM 87109 -345-4107	Sai	mple Log-In Cho	eck List
CI	ient Name:	Safety En	v Solutions	Work	Order Num	nber: 1908B9	3		RcptNo: 1	
Re	ceived By:	lsaiah O	rtiz	8/21/20)19 9:02:00	АМ	-	I-C	2~	
	mpleted By: viewed By:	Erin Mel HB	endrez	8/21/20 8/V	19 9:56:20 L1	АМ	Ű	I-C	5	
Chi	ain of Cus	tody								
1.	Is Chain of C	ustody com	plete?			Yes 🗹	1	No 🗌	Not Present	
2.	How was the	sample del	ivered?			Courier				
	og In									
3. \	Was an attem	pt made to	cool the sam	ples?		Yes 🗹	Ν	lo 🗌	NA 🗌	
4. v	Vere all samp	oles receive	d at a temper	ature of >0° C	to 6.0°C	Yes 🔽	Ν	lo 🗌		
5. s	Sample(s) in p	proper cont	ainer(s)?			Yes 🗹	Ν	lo 🗌		
6. S	Sufficient sam	ple volume	for indicated	test(s)?		Yes 🖌	Ν	o 🗌		
7. A	re samples (except VOA	and ONG) p	roperly preserve	ed?	Yes 🗸	N	o 🗌		
8. V	Vas preservat	tive added t	o bottles?			Yes 🗌	Ν	o 🗹	NA 🗌	
9. v	OA vials hav	e zero heac	Ispace?			Yes 🗌	N	o 🗌	No VOA Vials 🗹	
10. V	Vere any san	nple contair	ers received	broken?		Yes 🗌	Ν	lo 🔽	# of preserved	1
	oes paperwo					Yes 🗹	N	o 🗌	bottles checked for pH:	
			ain of custod							unless noted)
				in of Custody?		Yes 🗹	N		Adjusted?	
			vere requested	1?		Yes 🗹	N	_		
	Vere all holdir f no, notify cu		le to be met? authorization.)		Yes 🗹	N	• □	Checked by: DA	0 8/21/19
Spec	cial Handli	ing (if ap	plicable)							
			Contraction of the second s	with this order?	,	Yes 🗌	N	lo 🗌	NA 🗹	
	Person	Notified:	J		Date	· [-		
	By Who	m:	[Via:	🗌 eMail	Phone	Fax	In Person	
	Regardi		[
16	Additional rer	structions:	1							
	Cooler Infor									
11.	Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signe	d Bv	1	
	1	2.7	Good	Yes			o,gilo	/		
	2	2.3	Good	Yes						

	Analysis Request	(o) (O) (()	PO4, SC (Gas or MF	- TPH - - TPH - - 1002, - - 1002, - - - - - - - - - - - - - - - - - - -	441 (GR (GR (GR (GR (GR (GR (GR (GR (GR (GR	HTEX + MTI BTEX + MTI BTEX + MTI BTPH 6015B TPH (Metho EDB (Metho BDB (Metho BDB (VOA B081 Pestici CVA CVA CVA CVA CVA CVA CVA CVA CVA CVA													Remarks:				If necessary, samples within the data will be reacredited to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.
Turn-Around Time: She Rush Project Name: Project #: Project #:		Project Manager:	and Carlo	Sampler: SUSH PANA On Ice: XYes D No	Temperature: 2.5 - 0.1 (rF) 27.	ative 2:4-0.1(ce) 2.3.4 HEAL NO.)	200- 1	1 - 003	1 -004	500- / /	1 -006		1 - 00%	P00- /	-Chr. whul () -010	1 - PII	1 10- 11	Received by: M Pate Time Re	111- 87019 160	Received by:	In corrie & zu lig 0967	ntracted to other accredited laboratories. This serves as notice of this pos
Des Nul 88240	Phone #: 575-547.0510	email or Fax#:	QA/QC Package:	Accreditation	EDD (Type)	Date Time Matrix Sample Request ID	02/13 02/25 SP-1 12-	20/13 1050 S 5P 2 150	00/13 110 5 5P3 (F	06/3 1220 5 5.8-4 (JT	09/13 13 LO 5 SP-5 17	OB/15 0900 5 51-6 (Fr	Delis 0920 5 5P.7 157	OBLIS ON 45 5 SP-& 15-	OB/15/WUS S 5P-9 WEIRH,	ONIT 1020 5 SI-10 RENT 4	OBLIS 1030 5 SP-11 BUDAN 475	ILS WENNIN	Time: Relinquiented by:	- Andrew	Date: Time: Relinquished by:		If necessary, samples unitted to Hall Environmental may be subcou

	environme	4901 Hawkins NE - Albuquerque, NM 87109	10	Anal	(O) (() (()	10 seð 0 / MF (SMI	рнат (1.8 (1.8 (1.1) (1.2 (1.4) (1.2 (1.4) (1.2 (1.4) (1.2)	+ 3(6R4 16 10 10 10 10 10 10 10 10 10 10 10 10 10	ITE ICI, ICI, ICI, ICI, ICI, ICI, ICI, ICI	Air Bubble Afric Bubble Afric Bubble Anions (F, 8081 Pest 8081 Pest 8081 Pest 8250 (Yo 70 (Sen 70 (Sen												Remarks:		If hecessary, samples solutited 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.
Turn-Around Time: Standard Cush		イモート ところ シー		BHC -18-001	Project Manager:	Allen, Bold	Sampler: No K Line	Temper	0.0	Container Preservative 2:4-0.1 (F) 2.3 Type and # Type 1908/843	1 TNeed -013	L-01-	/ -015	1 - 016	L10-	- 018	-019	(- M7h	1-0-1	2		Received by Time Time	Date Tin	tracted to other accredited laboratories. This serves as notice of th
Chain-of-Custody Record	Solution	Mailing Address: 703 C. Clint	(426 VIN SKZGE)	Phone #: 575-397-0510	email or Fax#:	QA/QC Package:	Accreditation	(be)		Date Time Matrix Sample	28/15/1322 × 12-13 Reven to	021 1340 5 SP-14 (St	08/16 (015) 5 SP-15 (Se	OBILL 1235 5 5P-16 15T	08/16 (330 5 50-17 1Ft	08/16/1000 5 50-18 1850	02/16 1055 5 5879 12	08/16 1125 5 5P-20 LG	delle (3 w) > (-1 Souts	>		Objectify [Level And Dark	Date: Time: Relinquisheddof:	If hecessary, samples submitted to Hall Environmental may be subcor

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 Ease Side-Completion looking North



Seeding West Side



Seeding Ease Side

Appendix E Seed Description CURTIS & CURTIS SEED

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

Impated Pasture Grasses Mountain Pasture Grasses Native Pasture Grasses Yard and Playground Grasses Golf Course Grasses Atfatfa/Clovers

AMOUNT

PRICE QUOTATION

DESCRIPTION

PRICE

DK Boyd Mix:

\$99.41Acre

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 prorate. 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 specificatly mated 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:

Date

Seller:

Appendix F Correspondence

Rebecca Pons

From:	Bob Allen
Sent:	Thursday, July 11, 2019 1:38 PM
То:	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 in 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



9/9/2019

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 YAR	DS
		EXE	MPT OCD Total YARDS.		320 YAR	DS
		EXE	MPT OCD Total Units.		320 Units	5
HADAW	AY CONSUL	TING AND ENG I	LC Total Units.		320 Units	;

1



9/9/2019

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

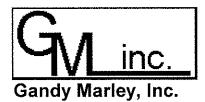


Detailed Report of material for Invoices 28895 thru 28895

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

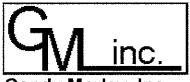
9/9/2019



9/9/2019

Detailed Report of material for Invoices 28895 thru 28895

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.	ĻF	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 WH	ITE 4 Total YARDS.		1900 YAI	RDS
		EXEMPT OCD Total Y	ARDS.	1900 YA	RDS
		EXEMPT OCD Total U	nits.	1900 Uni	its



Detailed Report of material for Invoices 28895 thru 28895

Gandy Marley, Inc.

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

HADAWAY CONSULTING AND ENG LLC Total Units.

4

1900 Units



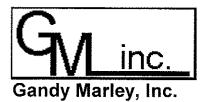
Detailed Report of material for Invoices 28837 thru 28837

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.	L.F	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



9/9/2019

Detailed Report of material for Invoices 28837 thru 28837

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.	ŁF	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



9/9/2019

Detailed Report of material for Invoices 28837 thru 28837

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



Detailed Report of material for Invoices 28837 thru 28837

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.	L.F	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.	ĻF	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		Gandy Inc.	LF	20	YARDS
8/2/2019		Gandy Inc.	LF	20	YARDS
8/2/2019		Gandy Inc.	LF	20	YARDS
8/2/2019	25301	Gandy Inc.	LF	20	YARDS



9/9/2019

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.	ĻF	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 YAR	DS
		EXEMPT OCD Total YARDS.		3000 YAR	DS
		EXEMPT OCD Total Units.		3000 Units	3
HADAW	AY CONSULTING	AND ENG LLC Total Units.		3000 Units	;



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

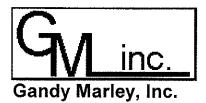
Date:	Ticket No:	Description	Transporter:	Cell:	Units	Unit Type:
7/18/2019	24287		Gandy Inc.	LF	20	YARDS
7/19/2019	24296		Gandy Inc.	LF	20	YARDS
7/19/2019	24297		Gandy Inc.	LF	20	YARDS
7/19/2019	24298		Gandy Inc.	LF	20	YARDS
7/19/2019	24299		Gandy Inc.	LF	20	YARDS
7/19/2019	24300		Gandy Inc.	LF	20	YARDS
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



9/9/2019

Detailed Report of material for Invoices 28800 thru 28800

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	YARD\$
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		Gandy Inc.	LF	20	YARDS
7/25/2019	24644	Gandy Inc.	LF	20	YARDS
7/25/2019	24660	Gandy Inc.	LF	20	YARDS



P.O. Box 1658 Roswell, NM 88202

HADAWAY CONSULTING AND ENG L PO BOX 188 CANADIAN, TX 79014 9/9/2019

Detailed Report of material for Invoices 28800 thru 28800

Phone 575-347-0434 Fax 575-347-0435						
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	YARD\$	
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 WHI	1500 YA	ARDS			
		1500 YA	ARDS			
EXEMPT OCD Total Units. 1					nits	
HADAWAY CONSULTING AND ENG LLC Total Units. 1500 Units						



Detailed Report of material for Invoices 28728 thru 28728

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:
7/10/2019	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.	ĻF	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.	٦	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



9/9/2019

Detailed Report of material for Invoices 28728 thru 28728

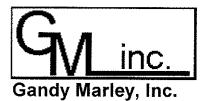
7/11/2019	23911	Gandy Inc.	LF	20	YARDS
7/11/2019	23912	Gandy Inc.	LF	20	YARDS
7/11/2019	23913	Gandy Inc.	LF	20	YARDS
7/11/2019	23925	Gandy Inc.	LF	20	YARDS
7/11/2019	23926	Gandy Inc.	LF	20	YARDS
7/11/2019	23927	Gandy Inc.	LF	20	YARDS
7/11/2019	23928	Gandy Inc.	ĻF	20	YARDS
7/11/2019	23929	Gandy Inc.	LF	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.	ĹF	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



9/9/2019

Detailed Report of material for Invoices 28728 thru 28728

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.	L.F	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



9/9/2019

Detailed Report of material for Invoices 28728 thru 28728

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		Gandy Inc.	LF	20	YARDS
7/18/2019	24271	Gandy Inc.	LF	20	YARDS
7/18/2019		Gandy Inc.	LF	20	YARD\$
7/18/2019	24273	Gandy Inc.	LF	20	YARDS
7/18/2019		Gandy inc.	LF	20	YARDS
7/18/2019	24275	Gandy Inc.	LF	20	YARDS



Gandy Marley, Inc.

Detailed Report of material for Invoices 28728 thru 28728

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

7/18/2019	24282	Gandy Inc.	LF	20	YARDS
7/18/2019	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			LF	20	YARDS
JP WHITE #4 Total YARDS.					ARDS
EXEMPT OCD Total YARDS.					ARDS
EXEMPT OCD Total Units.					nits
HADAWAY CONSULTING AND ENG LLC Total Units. 2720 Units					nits

5